NASA-CR-160811

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VOLUME 2 of 3

RESULTS OF AN INVESTIGATION TO VERIFY SHUTTLE ORBITER VEHICLE 102 AERO CHARACTERISTICS UTILIZING AN .05-SCALE HI-FIDELITY REMOTE CONTROL MODEL (39-0) IN THE AMES RESEARCH CENTER UNITARY WIND TUNNEL (OA145C)

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by

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Prepared under NASA Contract Number NAS9-13247

by

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National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number:	118-1-11, -97, -87
NASA Series Number:	OA145A, B, C
Model Number:	39-0
Test Dates:	March 7, 1977 through May 4, 1977
Occupancy Hours:	OA145A 480
	OA145B 348
	OA145C 100

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ABSTRACT

This report documents the data obtained in wind tunnel test ØA145C, part of a transonic verification test program (ØA145A,B,C) conducted in the Ames unitary plan tunnel. Data from tests ØA145A and B are documented in DMS-DR-2380 and DMS-DR-2364, respectively. The objective of this test series was to verify orbiter vehicle 102 aerodynamic characteristics with regard to:

1. Basic stability and control over the structural design envelope
2. Fine cut stability and control characteristics along a nominal entry trajectory
3. Control surface hinge moments
4. Reynolds number effects on stability and control, control surface effectiveness and hinge moments
5. Certain hysteresis and control surface interactions observed on other smaller scale model tests
6. Proposed inboard/outboard elevon interaction math model

Testing was conducted over a Mach number range 0.4 to 3.5 with Reynolds number variations between 3.0×10^6 and 9×10^6 per foot for subsonic/transonic tests and 1.0×10^6 to 4.5×10^6 per foot for supersonic

tests. The test program included investigations to evaluate model blockage, reflected shock and flow angularity effects in the 11 ft. and 9 x 7 tunnels. Mach ramps were run in the 11 ft. tunnel to help establish data validity near Mach 1.0. Control surface hinge moments were obtained from the integration of measured pressure data on all control surfaces.

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147	OA145C SPEED BRAKE CP VS. XR/CR OUTER SURFACE, RUDDER EFFECT AT SPDBRK = 25	742-750
148	OA145C SPEED BRAKE CP VS. XR/CR OUTER SURFACE, RUDDER EFFECT AT SPDBRK = 70	751-759

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149	OA145C SPEED BRAKE CP VS. XR/CR OUTER SURFACE, RUDDER EFFECT AT SPDBRK = 87.2	760-768
150	OA145C SPEED BRAKE CP VS. XR/CR OUTER SURFACE, SPDBRK EFFECT AT ALPHA = 15, BETA = 0, RUDDER = 0	769-777
151	OA145C SPEED BRAKE CP VS. ZR/BR INNER SURFACE, ALPHA EFFECT AT SPDBRK = 55	778-780
152	OA145C SPEED BRAKE CP VS. ZR/BR INNER SURFACE, ALPHA EFFECT AT SPDBRK = 25	781-783
153	OA145C SPEED BRAKE CP VS. ZR/BR INNER SURFACE, ALPHA EFFECT AT SPDBRK = 70	784-786
154	OA145C SPEED BRAKE CP VS. ZR/BR INNER SURFACE, ALPHA EFFECT AT SPDBRK = 87.2	787-789
155	OA145C SPEED BRAKE CP VS. ZR/BR INNER SURFACE, BETA EFFECT AT SPDBRK = 55	790-792
156	OA145C SPEED BRAKE CP VS. ZR/BR INNER SURFACE, BETA EFFECT AT SPDBRK = 25	793-795
157	OA145C SPEED BRAKE CP VS. ZR/BR INNER SURFACE, BETA EFFECT AT SPDBRK = 87.2	796-798
158	OA145C SPEED BRAKE CP VS. ZR/BR INNER SURFACE, RUDDER EFFECT AT SPDBRK = 55	799-801
159	OA145C SPEED BRAKE CP VS. ZR/BR INNER SURFACE, RUDDER EFFECT AT SPDBRK = 25	802-804
160	OA145C SPEED BRAKE CP VS. ZR/BR INNER SURFACE, RUDDER EFFECT AT SPDBRK = 70	805-807

FIGURE NUMBER		PAGES
161	OA145C SPEED BRAKE CP VS. ZR/BR INNER SURFACE, RUDDER EFFECT AT SPDBRK = 87.2	808-810
162	OA145C SPEED BRAKE CP VS. ZR/BR INNER SURFACE, SPDBRK EFFECT AT ALPHA = 15, BETA = 0, RUDDER = 0	811-813
163	OA145C SPEED BRAKE CP VS. ZR/BR OUTER SURFACE, ALPHA EFFECT AT SPDBRK = 55	814-817
164	OA145C SPEED BRAKE CP VS. ZR/BR OUTER SURFACE, ALPHA EFFECT AT SPDBRK = 25	818-821
165	OA145C SPEED BRAKE CP VS. ZR/BR OUTER SURFACE, ALPHA EFFECT AT SPDBRK = 70	822-825
166	OA145C SPEED BRAKE CP VS. ZR/BR OUTER SURFACE, ALPHA EFFECT AT SPDBRK = 87.2	826-829
167	OA145C SPEED BRAKE CP VS. ZR/BR OUTER SURFACE, BETA EFFECT AT SPDBRK = 55	830-833
168	OA145C SPEED BRAKE CP VS. ZR/BR OUTER SURFACE, BETA EFFECT AT SPDBRK = 25	834-837
169	OA145C SPEED BRAKE CP VS. ZR/BR OUTER SURFACE, BETA EFFECT AT SPDBRK = 87.2	838-841
170	OA145C SPEED BRAKE CP VS. ZR/BR OUTER SURFACE, RUDDER EFFECT AT SPDBRK = 55	842-845
171	OA145C SPEED BRAKE CP VS. ZR/BR OUTER SURFACE, RUDDER EFFECT AT SPDBRK = 25	846-849
172	OA145C SPEED BRAKE CP VS. AR/BR OUTER SURFACE, RUDDER EFFECT AT SPDBRK = 70	850-853

FIGURE NUMBER		PAGES
173	OA145C SPEED BRAKE CP VS. ZR/BR OUTER SURFACE, RUDDER EFFECT AT SPDBRK = 87.2	854-857
174	OA145C SPEED BRAKE CP VS. ZR/BR OUTER SURFACE, SPDBRK EFFECT AT ALPHA = 15, BETA = 0, RUDDER = 0	858-861

PLOTTED COEFFICIENT SCHEDULE:

(A) CL, CD, Cm, CA VS. α: CL VS. CD: CL VS. Cm

(B) CY, Cn, C_ℓ VS. β

(C) Ch_e, $Ch_{e_\emptyset}$, Ch_{e_I}, $Ch_{FD\emptyset}$, Ch_{FDI}, vs. α

(D) Ch_{sb} VS. α

(E) Ch_{sb} VS. β

(F) CY, Cn, C_ℓ, Ch_{sb} VS. δr

(G) CL, CD, Cm, Che, Che_I, Ch_{FD_I} VS. δe_{IB}

(H) CL, CD, Cm, Che, $Che_\emptyset$, $Ch_{FD\emptyset}$ VS. $\delta e_{\emptyset B}$

(I) CL, CD, Cm, CY, Cn, C_ℓ, Che_I, $Che_\emptyset$ VS. δa_{IB}

(J) CL, CD, Cm, CY, Cn, C_ℓ, Che_I, $Che_\emptyset$ VS. $\delta a_{\emptyset B}$

(K) CL, CD, Cm VS. δ_{BF}

(L) CY, Cn, C_ℓ VS δr

(M) Ch_e, Che_I, $Che_\emptyset$ VS β

(N) CY, Cn, C_ℓ VS. α

(O) CY, Cn, C_ℓ VS. δe

(P) C_L, C_D, C_m VS. δe

INTRODUCTION

An experimental investigation was performed to determine aerodynamic stability and control characteristics and control surface hinge moments on the OV102 configuration. The test article was an 0.05-scale representation of the SSV orbiter configuration (Model 39-0). Tests were performed in the NASA/ARC Unitary Plan Wind Tunnel. Nominal test conditions are given in Table I.

Six-component force data were measured on the complete model using the ARC 4-inch Task MKIVA balance sting mounted through the rear of the model. The model had a total of 280 pressure taps located as shown in Figures 2c through 2h. Control surface pressures were measured on the left hand elevon panels, the body flap and speed brake. These pressures were also integrated to obtain control surface hinge moments.

With the tunnel flowing, data were recorded through an angle-of-attack range from -10^{o} to $+30^{o}$ and an angle of sideslip range from -10^{o} to $+10^{o}$.

Control surfaces remotely actuated from the control room were: All four elevon panels, the body flap, and the rudder. Speed brake deflections were set manually using a pin indexing system on the rudder shaft.

The report consists of 3 volumes, 1 volume of plotted force data and plotted pressure data, 1 volume of tabulated force data, 1 volume of tabulated pressure data on microfiche. The volumes are arranged in the following manner:

VOLUME NUMBER	CONTENTS	MICROFICHE PAGE NO.
1	OA145C PLOTTED FORCE DATA	
	OA145C PLOTTED PRESSURE DATA	
2	OA145C TABULATED FORCE DATA	
3	OA145C TABULATED PRESSURE DATA	
	INBOARD ELEVON LOWER SURFACE	1-6
	OUTBOARD ELEVON LOWER SURFACE	6-11
	INBOARD ELEVON UPPER SURFACE	11-22
	OUTBOARD ELEVON UPPER SURFACE	22-34
	INBOARD FLIPPER DOOR UPPER SURFACE	34-38
	OUTBOARD FLIPPER DOOR UPPER SURFACE	38-42
	BODY FLAP UPPER SURFACE	43-47
	BODY FLAP LOWER SURFACE	47-51
	RUDDER OUTER SURFACE	51-56
	RUDDER INNER SURFACE	56-60
	ORBITER BASE	61-63
	STING LOWER SURFACE	63-64
	STING UPPER SURFACE	64-66

NOMENCLATURE

PLOT SYMBOL	MNEMONIC	DEFINITION
a		speed of sound; m/sec, ft/sec
A_{B_K}		fuselage base area assigned to pressure tap K, $ft.^2$
A_C		fuselage base sting cavity area, $ft.^2$
A_i		upper control surface area assigned to pressure tap i, $in.^2$
A_j		lower control surface area assigned to pressure tap j, $in.^2$
A_m		speed brake outer surface area assigned to pressure tap m, $in.^2$
A_n		speed brake inner surface area assigned to pressure tap n, $in.^2$
b_w		Wind reference span, in. Used to nondimensionalize yawing and rolling moments.
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b-p_\infty)/qS$
C_{AC}	CAC	Sting cavity axial force coefficient. Sting cavity pressure is adjusted to an average base pressure.
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_{AU}		axial force coefficient, unadjusted
c_{BF}		body flap reference chord length, in.
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$

NOMENCLATURE (Continued)

PLOT SYMBOL	MNEMONIC	DEFINITION
c_E		elevon reference chord length, in.
c_{FD}		flipper door reference chord length, in.
$C_{h_{BF}}$	CHBF	body flap hinge moment coefficient
$C_{h_{EI}}$	CHEI	inboard elevon hinge moment coefficient
$C_{h_{EO}}$	CHEO	outboard elevon hinge moment coefficient
$C_{h_{FDI}}$	CHFDI	inboard flipper door hinge moment coefficient
$C_{h_{FDO}}$	CHFDO	outboard flipper door hinge moment coefficient
$C_{h_{SB}}$	CHSB	speed brake hinge moment coefficient
C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_ℓ	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$
C_m	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
c_W		wing reference MAC, in.
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
δ_a	AILRON	Aileron deflection. Positive when L.H. elevon is more trailing edge down than R.H. elevon, degrees.
δ_{BF}, δ_{bf}	BDFLAP	Body flap deflection. Positive trailing edge down, degrees.

NOMENCLATURE (Continued)

PLOT SYMBOL	MNEMONIC	DEFINITION
δe	ELEVON	Elevon deflection, average of the four individual panel deflections. Positive trailing edge down, degrees.
$\delta e_{LI,\emptyset}$	ELV-LI,Ø	inboard and outboard L.H. elevon deflections, degrees
DELL	DELL	differential elevon setting, left side, outboard-inboard, degrees
DELR	DELR	differential elevon setting, right side, outboard-inboard, degrees
$\delta e_{RI,\emptyset}$	ELV-RI,Ø	inboard and outboard R.H. elevon deflections, degrees
δr	RUDDER	Rudder deflection in a water plane. Positive trailing edge left, degrees.
DRHL	DRHL	Rudder deflection normal to the hinge line. Positive trailing edge left, degrees.
δSB	SPDBRK	Speed brake deflection. Angle between the inside faces of the left and right panels, always positive, degrees.
H_{mBF}		body flap hinge moment, in-lbs
H_{mEI}		inboard elevon hinge moment, in-lbs
H_{mEO}		outboard elevon hinge moment, in-lbs
H_{MFDI}		inboard flipper door hinge moment, in.lbs
H_{MFDO}		outboard flipper door hinge moment, in.lbs
H_{MSB}		speed brake hinge moment, in-lbs
lB		orbiter body reference length, in.
L/D	L/D	lift-to-drag ratio; C_L/C_D
L/D_f	L/DF	lift-to-forebody drag ratio; C_L/C_{D_f}
M	MACH	Mach number; V/a

NOMENCLATURE (Continued)

PLOT SYMBOL	MNEMONIC	DEFINITION
p		pressure; N/m^2, psf
$P_{i,j,m,n}$		control surface static pressure corresponding to tap i, j, m or n, psfa
P_o	P	freestream static pressure psfa
q	Q(PSF) Q	dynamic pressure; $1/2\rho V^2$, psf
RN/L	RN/L, RN	unit Reynold's number; per m, per ft
S_{BF}		body flap reference area, $in.^2$
S_E		elevon reference area, $in.^2$
S_{FD}		flipper door reference area, $in.^2$
S_{SB}		speed brake reference area, $in.^2$
S_w		wing reference area, $ft.^2$
V		velocity; m/sec, ft/sec
x_{BF}/C_B	XBF/CB	chordwise distance aft of body flap hinge line as a fraction of body flap chord
X_{CG}		distance from orbiter nose (IML) to model moment reference center, in.
X_{CP}	XCP/L	model center of pressure location in the normal force direction, relative to the model nose (IML), in.
x_e/C_e	XE/CE	chordwise distance aft of elevon hinge line as a fraction of local elevon chord
x_{FD}/C_{FD}	XF/CF	chordwise distance aft of flipper door hinge line as a fraction of local flipper door chord
$X_{i,j,m,n}$		transfer distance from static pressure tap i, j, m or n to the corresponding control surface hinge line, in.

NOMENCLATURE (Concluded)

PLOT SYMBOL	MNEMONIC	DEFINITION
x_R/C_R	XR/CR	chordwise distance aft of rudder hinge line as a fraction of local rudder chord
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m^3, $slugs/ft^3$
η_{BF}	YBF/BB	spanwise distance from body flap left edge as a fraction of body flap span at hinge line
η_R	ZR/BR	spanwise distance from rudder bottom edge as a fraction of rudder span on hinge line
η_W	2Y/BW	distance from plane of symmetry as a fraction of wing semi-span

REMARKS

After completion of the OA145 test program, pressure data for all three program phases were reviewed to determine what updating, corrections, or substitutions would be necessary. The following defines for each program phase those corrections that were deemed necessary and were made to the final data prior to preparation of the final data tape for Dataman. Updating and substitutions were applied only where known deficiencies existed that would have severely compromised the final data.

PRESSURE DATA UPDATING FOR 118-1-11 (OA145A)

Run 18 through 56:16

Deleted	SV	Port(s)
	1	3, 4, 5, 8 through 11, 17, 18
	3	18
	7	2, 6, 24
	9	19, 20

Applied
Tap 127 (SV3-Port 13) Pressure to Tap 132 (SV3-Port 18)
Tap 6 (SV6-Port 2) Pressure to Tap 7 (SV7-Port 2)
Tap 216 (SV7-Port 3) Pressure to Tap 219 (SV7-Port 6)
Tap 240 (SV8-Port 3) Pressure to Tap 207 (SV7-Port 24)
Tap 403 (SV9-Port 18) Pressure to Tap 404 (SV9-Port 19)
Tap 403 (SV9-Port 18) Pressure to Tap 405 (SV9-Port 20)

Run 50:13 through 56:16

Replaced SV8 CAL with SV9 CAL.

Run 60:1 through 74:11

Deleted	SV	Port(s)
	1	3, 5, 8 through 11, 17
	4	2
	7	6, 24
	9	19, 20

Applied Tap 5 (SV5-Port 2) Pressure to Tap 4 (SV4-Port 2)
Tap 216 (SV7-Port 3) Pressure to Tap 219 (SV7-Port 6)
Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)
Tap 403 (SV9-Port 18) Pressure to Tap 404 (SV9-Port 17)
Tap 403 (SV9-Port 18) Pressure to Tap 405 (SV9-Port 19)

Run 76:1 through 272:9

Deleted	SV	Port(s)
	1	3, 8, through 11, 17
	7	6, 24
	9	19, 20, 24

Applied Tap 216 (SV7-Port 3) Pressure to Tap 219 (SV7-Port 6)
Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)
Tap 403 (SV9-Port 18) Pressure to Tap 404 (SV9-Port 19)
Tap 403 (SV9-Port 18) Pressure to Tap 405 (SV9-Port 20)
Tap 408 (SV9-Port 23) Pressure to Tap 409 (SV9-Port 24)

Run 67:1 through 341:10

Replaced SV8 CAL with SV9 CAL

Run 185:1 through 272:9

Deleted	SV	Port
	1	5

Applied Tap 35 (SV1-Port 11) Pressure to Tap 25 (SV1-Port 5)

Run 276:1 through 396:10

Deleted	SV	Port(s)
	7	6, 24
	9	19, 20, 24

Applied Tap 216 (SV7-Port 3) Pressure to Tap 219 (SV7-Port 6)
Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)
Tap 403 (SV9-Port 18) Pressure to Tap 404 (SV9-Port 19)
Tap 403 (SV9-Port 18) Pressure to Tap 405 (SV9-Port 20)
Tap 408 (SV9-Port 23) Pressure to Tap 409 (SV9-Port 24)

REMARKS (Continued)

Run 370:1 through 384

Deleted SV6 Port 2

Applied Tap 5 (SV5-Port 2) Pressure to Tap 6 (SV6-Port 2)

Run 403 through 918:10

Deleted SV7 Ports 6 and 24

Applied Tap 216 (SV7-Port 2) Pressure to Tap 218 (SV7-Port 6)
Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)

Run 514 through 534:10

Deleted SV6 Port 2

Applied Taps (SV5-Port 2) Pressure to Tap 6 (SV6-Port 2)

Run 735 through 756:10

Deleted SV2 Port 7

Applied Tap 65 (SV1-Port 25) Pressure to Tap 75 (SV2-Port 7)

Run 874 through 895:8

Deleted SV2 Port 7

Applied Tap 65 (SV1-Port 25) Pressure to Tap 75 (SV2-Port 7)

PRESSURE DATA UPDATING FOR 118-1-97 (OA145B)

Run 156:7 through 337 (End of 5/4/77 running)

Deleted	SV	Port(s)
	3	8
	7	24

Applied Tap 117 (SV3-Port 3) Pressure to Tap 122 (SV3-Port 8)
Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)

Run 340 through 391 (End of test)

Deleted	SV	Port
	7	24

REMARKS (Continued)

Applied Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)

P_{BASE} for following runs is lost; substitute as follows:

For Run 228 Substitute P_B from Run 200 Seq. 6
For Run 229 Substitute P_B from Run 200 Seq. 18

PRESSURE DATA UPDATING FOR 118-1-87 (OA145C)

Run 13 through 97

Deleted	SV	Port(s)
	3	8
	7	24

Applied Tap 117 (SV3-Port 3) Pressure to Tap 122 (SV3-Port 8)
Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)

Run 82 through 96

Deleted SV8 Port 2

Applied Tap 7 (SV7-Port 2) Pressure to Tap 8 (SV8-Port 2)

Run 98 through 188

Deleted SV7 Port 24

Applied Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)

Run 100 through 188

Deleted SV3 Port 8

Applied Tap 117 (SV3-Port 3) Pressure to Tap 122 (SV3-Port 8)

It should be noted that for the OA145A program aerodynamic coefficient data presented between freestream Mach numbers of about 0.98 and 1.07 may be suspect. Measured aerodynamic characteristics are affected by tunnel wall blockage and/or reflected shock waves. Therefore, data in this Mach range should be used with caution for diagnostic

analysis only. Review of the base pressure data for the OA145C test program revealed significant differences in P_{BASE} between individual pressure taps and are a result of response time problems associated with Scanivalve stepping from the calibrate pressure Port #1 (high positive pressure) to the adjacent (low negative value) base pressure Port #2, on all Scanivalves. For base pressures measured on two adjacent ports, i.e., CP_{B10} and CP_{B11} on Scanivalve 11 the second pressure reads the correct value of P_{BASE}. It was therefore concluded that only Port #2 on each Scanivalve, the base pressure tap, is in error. This anomaly was not discovered until after release of the final data tape to Dataman.

Pressure data used for the DATAMAN integrations for control surface hinge moments (documented as special request SPRT9F) were edited further by DATAMAN to exclude taps designated by Rockwell as bad or suspect. The following is a list of the pressure taps deleted by DATAMAN in accordance with the integration request:

Tap No.	Component	Tap Location
132	Elevon Upper Surface	$\eta_W = 0.8$, $X_e/C_e = 0.2$
155	Elevon Lower Surface	$\eta_W = 0.34$, $X_e/C_e = 0.6$
209	Flipper Door Upper Surface	$\eta_W = 0.534$, $X_F/C_F = 0.9$
215	Flipper Door Upper Surface	$\eta_W = 0.715$, $X_F/C_F = 0.9$
219-221	Flipper Door Upper Surface	$\eta_W = 0.887$, all X_F/C_F
325	Body Flap Lower Surface	centerline @ T. E.

REMARKS (concluded)

Hinge moment data presented in this report are the on line integration results from the test facility. Pressure data tabulated in volume 3 are also facility data.

CONFIGURATIONS INVESTIGATED

The test article (provided by Rockwell) was a 0.05-scale model 39-0 defined by the VC70-000002B configuration control drawing and fabricated to the March 15, 1976 trajectory 14414.1C/C Numerical Control Lines.

The model was constructed primarily of 6061-T6 aluminum alloy and Armco 17-4 stainless steel. The balance block, wing panels and elevons, vertical tail and speed brakes, and body flap are the principal steel components. The fuselage is all aluminum.

The model was tested in the above fixed configuration in all three facilities. No model boundary layer trips were employed for any testing. The only configuration variables were model orientation and control surface deflection. The following range of control surface deflections were tested and controlled remotely from the control room: Elevon deflections of -35° to $+20^{\circ}$, body flap deflections of -11.7 to 22.5 and -22.8 to +22.8 rudder deflection. Speed brake deflections of 0°, 7.5, 15°, 25°, 40°, 55°, 70° and 87.2° were set manually.

The following nomenclature was used to designate the model components:

Component	Definition
B_{75}	OV102 fuselage including T-zero umbilical panels, crew hatch, and cargo bay door gaps.
C_{16}	Canopy including recessed windshields and observation windows.
E_{64}	Elevons, including elevon/elevon and elevon/fuselage gaps.
F_{16}	Body flap.

CONFIGURATIONS INVESTIGATED(Concluded)

Component	Definition
FD_3	Flipper doors.
FR_{22}	Fairings for the forward cargo bay door hinges, 6 per side.
HG_1	Cargo bay door hinges, 13 per side.
M_{52}	OMS pods.
N_{108}	Forward RCS thruster nozzle ports.
N_{109}	Main propulsion system nozzles (inner surfaces cut away for sting clearance).
N_{110}	OMS nozzles.
N_{111}	Aft RCS thruster nozzles and ports.
R_{20}	Rudder, split into left and right speed brake panels.
V_{27}	Vertical tail.
VT_{10}	Cargo bay vents, 4 per side.
VT_{11}	wing/landing gear bay vents, 1 per side.
VT_{12}	Cabin vents, 1 per side.
VT_{13}	Forward RCS vents, 1 per side.
VT_{14}	Aft fuselage vents, 1 per side.
VT_{15}	OMS RCS vents, 1 per side.
VT_{16}	Flipper door vents.
VT_{17}	Miscellaneous vents, ports and penetrations.
W_{131}	OV102 wing.

The above nomenclature is depicted in Figures 2a and 2b.

INSTRUMENTATION

The test was conducted with the following model instrumentation:

1. 4.0-inch Task MKIVA, 6-component internal balance.
2. Eleven Scanco S-type, 48-port Scanivalves for model pressures. One Scanivalve for sting pressures.
3. 36 wing and 97 elevon static pressure taps.
4. 32 flipper door static pressures, 24 external, 8 internal
5. 5 aft fuselage and 23 body flap static pressure taps.
6. 9 vertical tail and 45 speed brake static pressure taps.
7. 9 fuselage base and 2 balance cavity static pressure taps.
8. 2 air data probe forward fuselage flush static pressure taps.
9. 20 sting static pressure taps.

Six model control surfaces were remotely actuated. Included were the following instrumentation:

1. Hydraulic actuation systems for the four elevon panels and the body flap.
2. Electric motor actuation system for the rudder.
3. Angular position pots for each of the control surfaces.
4. A model mounted hydraulic supply system, including pump, and servo-control valves.
5. A model control console housing the electrical components of the servo systems.

Force data for the orbiter was measured by a six-component balance, sting mounted through the rear of the model. The primary balance for this test was the ARC 4-inch Task MKIVA and the backup balance was the Task MK VI provided by Rockwell.

The model was instrumented with a total of 280 static pressure taps. These pressures were measured by eleven model mounted S-type Scanivalves provided by Rockwell International.

The sting was instrumented with 20 static pressure taps, 10 each top and bottom spaced every 2 inches aft of the base. These pressures were measured by a single S-type Scanivalve mounted in the tunnel strut BOR. The Scanivalve was provided by Rockwell International.

All pressure instrumentation electrical leads were supplied by Rockwell International. ARC provided reference, calibrate, and backing pressure tubes from their source to the aft end of the model. The routing of all instrumentation leads was internal to the sting, except for the sting static taps.

The locations and tap identification numbers of all orifices are shown in Tables III through VI and Figures 2c through 2h.

Tunnel wall static pressure, measured upstream of the test section, was used as the reference pressure for all Scanivalves.

The four elevon panels and the body flap were remotely controlled using a model mounted hydraulic servo control system. The hydraulic system consisted of 1 H.P. AC motor, pump and reservoir, Moog Type 30 servovalves, and Oildyne Style A hydraulic cylinders. The electrical components of the servo-system, the operational amplifiers and balancing pots, were contained in a model control console located in the control room.

The rudder panels were remotely controlled using a Globe planetary gear motor, Type 8L. An electrical servo system for the rudder, utilizing a Moog amplifier, was built into the model control console.

Control surface angular position was read by rotary pots located as closely as possible to each surface hingeline. The pots for the inboard elevon panels and the body flap were 7/8-inch Beckman Helipots, model 6173 single turn, dual element. The pots for the outboard elevons and rudder panels were 1/2-inch Markite Series RM05 pots, also single turn, dual element.

The dual outputs from each pot allowed one output to be utilized as the feedback element in the control servo loop, with the second output being used to set control position and compute surface positions in the data reduction program.

The model control console was operated manually. Unbalancing of the servo to set a given control deflection was accomplished by manually adjusting the Helipots on the control console. The position of each control surface was read by separate digital voltmeters mounted on the console.

TEST FACILITIES DESCRIPTION

Ames 11 x 11-Foot Transonic (ØA145A)

The Ames 11 x 11-Foot Transonic Wind Tunnel is a variable density, closed return, continuous flow type. This tunnel has an adjustable nozzle (two flexible walls) and a slotted test section to permit transonic testing over a Mach number range continuously variable from 0.4 to 1.4.

Ames 8 x 7-Foot Supersonic (ØA145C)

The Ames 8 x 7-Foot Supersonic Wind Tunnel is a closed-return, variable-density tunnel with a 8- by 7-foot rectangular test section. The nozzle has flexible side walls with fixed upper and lower surfaces. Mach number range is continuously variable from 2.45 to 3.5. Tunnel stagnation pressure can be varied from 0.3 to 2.0 atmospheres and Reynold's number per foot varies from 1.0×10^6 to 5.0×10^6.

Ames 9 x 7-Foot Supersonic (ØA145B)

The Ames 9 x 7-Foot Supersonic Wind Tunnel is a variable density, continuous flow type with an adjustable nozzle to permit supersonic testing over a Mach number range continuously variable from 1.5 to 2.5. The nozzle is of the asymmetric, sliding-block type in which the variation of the test section Mach number is achieved by translating, in the streamwise direction, the fixed-contour block that forms the floor of the nozzle.

DATA REDUCTION

Model force and moment data was reduced to coefficient form in both body and stability axes systems. Moment data was reduced about a moment reference center corresponding to 65% of the reference body length at W.L. 375. Model angle of attack and sideslip were corrected for support hardware deflections and tunnel flow angularity. Angle-of-attack flow angularity was determined from upright and inverted model runs at the beginning of the test. Standard facility corrections were applied as required. All model pressure data was reduced to the pressure coefficient form $(P-P_o)/q$.

Six-component body axes data was computed from balance outputs with axial force being adjusted for the differences between the average sting cavity pressure and an average base pressure.

$$C_A = C_{A_U} - C_{A_C}$$

where:

$$C_{A_C} = -(C_{P_{Cavg.}} - C_{P_{Bavg.}}) \frac{(A_c)}{S_w}$$

$$C_{P_{Cavg.}} = \frac{C_{P10} + C_{P11}}{2}$$

$$C_{P_{Bavg.}} = \frac{(C_{P1} + C_{P2} + C_{P5} + C_{P6} + C_{P7} + C_{P8})}{6}$$

Forebody axial force coefficients were computed by adjusting the base pressure to freestream.

$$C_{A_F} = C_A - C_{A_B}$$

where:

$$C_{A_B} = \frac{-1}{S_w}\left[\sum_{K=1}^{9} (C_{P_K} A_{B_K}) + (C_{P_{Bavg.}} A_C)\right]$$

Center-of-pressure location of the model normal force was computed as a ratio to the reference body length.

$$\frac{X_{C_P}}{lB} = \frac{1}{lB}\left(X_{CG} - \frac{C_m}{C_N}\bar{c}\right)$$

Stability axes coefficients C_L and C_D were computed from body axes coefficients C_N and C_A. Model lift-to-drag ratio was then computed from C_L and C_D.

$$L/D = C_L/C_D$$

Model control surface positions from the run schedule were input to the controller manually, i.e., constant or variable values were input depending on the sweep variable for the given run. Table look up values of δ_e, δ_{BF}, and δ_A, based on calibration data, were stored in the data reduction program and employed to determine control surface position from the actual set values of controller voltages input to the ARC instrumentation system.

Model control surface hinge moments (on line data only) were computed by the facility from control surface pressures using an area-moment arm method as detailed below:

$$H_{MEI} = \sum_{I=101}^{124} \left|(P_i)\ (A_i)\ (x_i)\right| - \sum_{J=150}^{173} \left|(P_j)\ (A_j)\ (x_j)\right|$$

$$C_{HEI} = \frac{H_{MEI}}{qS_E C_E}$$

$$H_{MEO} = \sum_{i=125}^{149} \left[(P_i)\ (A_i)\ (x_i)\right] - \sum_{J=174}^{197} \left[(P_j)\ (A_j)\ (x_j)\right]$$

$$C_{HEO} = \frac{H_{MEO}}{qS_E C_E}$$

Inboard flipper door

$$H_{MFDI} = \sum_{i=201}^{212} \left[(P_i)\ (A_i)\ (x_i)\right] - \sum_{j=225}^{236} \left[(P_j)\ (A_j)\ (x_j)\right]$$

$$Ch_{FDI} = \frac{H_{MFDI}}{qS_{FD} C_{FD}}$$

Outboard flipper door

$$H_{MFDO} = \sum_{i=213}^{224} \left[(P_i)\ (A_i)\ (x_i)\right] - \sum_{j=237}^{248} \left[(P_j)\ (A_j)\ (x_j)\right]$$

$$Ch_{FDO} = \frac{H_{MFDO}}{qS_{FD} C_{FD}}$$

Body flap hinge moments

$$H_{MBF} = \sum_{i=301}^{307} \left[(P_i)\ (A_i)\ (x_i)\right] - \sum_{j=314}^{325} \left[(P_j)\ (A_j)\ (x_j)\right]$$

$$Ch_{BF} = \frac{H_{MBF}}{qS_{BF} C_{BF}}$$

where:

i = upper surface pressure tap numbers

j = lower surface pressure tap numbers

Speed brake hinge moments

$$H_{MSB} = \sum_{m=410}^{436} \left[(P_m)\ (A_m)\ (x_m)\right] - \sum_{n=437}^{454} \left[(P_n)\ (A_n)\ (x_n)\right]$$

$$Ch_{SB} = \frac{H_{MSB}}{qS_{SB}C_{SB}}$$

where:

m = outer surface pressure tap numbers

n = inner surface pressure tap numbers

Pressure coefficients judged to be incorrect were deleted and areas reassigned by manual input to the on-line computer program. Final hinge moment data were integrated by Dataman from plotted and smoothed pressure coefficient data.

The following flow angularity corrections were applied to the final data:

OA145A No flow angularity, blockage or wall corrections were applied to the data obtained in the 11 ft. transonic facility.

OA145B Flow angularity corrections based on comprehensive evaluations of "TACT" (Transonic Aircraft Technology) program test data were applied to the final data. These corrections represent large model values above and beyond standard facility corrections.

DATA REDUCTION (Continued)

OA145C Standard facility flow angularity corrections were applied to the data obtained in the 8 x 7 facility.

Reference dimensions and constants used were:

SYMBOL	DESCRIPTION		MODEL SCALE	FULL SCALE
S_w	Wing reference area, ft.^{2}		6.725	2690.
b_w	Wing reference span, in.		46.834	936.68
c_w	Wing reference MAC, in.		23.740	474.81
MRC	Moment Reference Center			
		X, in.	53.834	1076.68
		Y, in.	0.0	0.0
		Z, in.	18.75	375.0
X_{CG}	Length, nose IML to MRC, in.		41.934	838.68
lB	Body reference Length, in.		64.515	1290.3
S_E	Elevon reference area, in.^{2}		75.60	30240.
c_E	Elevon reference chord, in.		4.535	90.7
S_{FD}	Flipper door reference area, in.^{2}		75.60	30240.
c_{FD}	Flipper door reference chord, in		4.535	90.7
S_{BF}	Body flap reference area, in.^{2}		48.60	19440.
c_{BF}	Body flap reference chord, in.		4.050	81.0
S_{SB}	Speed brake reference area, in.^{2}		36.05	14421.6
c_{SB}	Speed brake reference chord, in.		3.660	73.2
A_C	Base sting cavity area, ft.^{2}		0.1963	
A_{B1}	Base area, Tap 1, ft.^{2}		0.0587	
A_{B2}	Base area, Tap 2, ft.^{2}		0.0824	

DATA REDUCTION (Concluded)

SYMBOL		MODEL SCALE	FULL SCALE
A_{B3}	Base area, Tap 3, ft.^{2}	0.0467	
A_{B4}	Base area, Tap 4, ft.^{2}	0.0553	
A_{B5}	Base area, Tap 5, ft.^{2}	0.0772	
A_{B6}	Base area, Tap 6, ft.^{2}	0.1146	
A_{B7}	Base area, Tap 7, ft.^{2}	0.1798	
A_{B8}	Base area, Tap 8, ft.^{2}	0.0860	
A_{B9}	Base area, Tap 9, ft.^{2}	0.1950	

REFERENCES

1. SD76-SH-0189 "Pretest Information for Tests OA145A, B, C of a .05-Scale Model (39-0) of the SSV Orbiter 102 in the NASA/ARC Unitary Plan Wind Tunnel," dated September 30, 1976.

2. Report NA76-662, "Structural Analysis for the 0.05-Scale SSV Orbiter Verification Model 39-0."

3. Rockwell Internal Letter SAS/AERO/77-038, "Model Readiness Review Model 39-0," dated December 20, 1976.

4. SPRT9F-1, "Elevon and Flipper Door Hinge Moments from Pressure Data of Test OA145A, B, C, and OA101", November 1978.

TABLE I.

TEST : OA145A, B, C

DATE :

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per unit length) x 10^6	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.6	5.0, 3.0, 9.0		
0.8	↓		
0.9			
0.95			
1.05			
1.10			
1.20			
1.30			
1.40			
1.55	4.0		
2.0	1.5, 3.5, 4.5		
2.5	2.5, 3.25, 3.5, 4.0		
3.0	1.0, 2.5		
3.5	2.5		

BALANCE UTILIZED: 4 INCH TASK MKIVA

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	6000/6000 LBS	0.5%	*
SF	3000/3000 LBS	"	
AF	2500 LBS	0.2%	
PM			
RM	16000 IN-LB	0.5%	
YM			

COMMENTS: Accuracy applies to maximum gage capacity.
*Coefficient tolerance based on root sum square of forward and aft gages, tolerance quoted for range of Mach number tested.
See Table VIII.

TABLE II. DATA SET/RUN COLLATION SUMMARY

TEST: OA145C (ARC-87-118) DATA SET/RUN NUMBER COLLATION SUMMARY DATE:

DATA SET IDENTIFIER	CONFIGURATION	α	β	δe	δa	δDF	δSB	δR	RE/FT	MACH NUMBERS 2.5	3.0	3.5
R2H001	Φ, (δSB = 55°)	FC	0	0	0	0	55	0	1.0		10*	
02	LONG. & LAT. DIR.								2.5	16	22	85**
03	STABILITY								3.25	13		
04									4.0	17		
05		5	FC						2.5	19*	27	87*
06		10							2.5	29*	24	88*
07		15							2.5	15*	23	151*
08		15							3.25	14*		
09		15							4.0	18*		
10		20							2.5	31*	25	152*
11		FC	2						2.5	28°	26	86°°

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

FOR COEFFICIENT SCHEDULES SEE PAGE 57

α OR β SCHEDULES

COEFFICIENTS
α(FC) = 0, 2, 4, 6, 8, 10, 12, 14, 15, 17, 18, 20, 22, 24, 30
β(FC) = -6.5, -4, -2, -1, 0, 1, 2, 3, 4, 6.5, 10

IDVAR (1) IDVAR (2) NDV

* α = 20, 26 missing
** α = 30 missing
°° α = 4, 6, 30 missing
* β = 10 missing
° α = 20 missing

• DENOTES PRESSURE DATA TAKEN

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TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: OA145C (ARC-87-118) DATA SET/RUN NUMBER COLLATION SUMMARY DATE:

DATA SET IDENTIFIER	CONFIGURATION	α	β	δe	δa	δBF	δSB	δR	RE/FT	MACH NUMBERS 2.5	3.0	3.5
R2H012	ELEVON EFF.	A	0	5	0	0	55	0	2.5		41	
13		B		10							40*	186*
14		B		20							39	
15		A		-5							45	
16		B		-10							46*	185*
17		B		-20							47	
18		B		-35							48	
19		10		FC							38	
20		15		FC						32	33	84
21		20		FC							37	

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

α(A) = 0, 2, 4, 6, 8, 10, 12, 14, 15, 16, 18, 20, 22, 26, 30 δe(FC) = -15, -13, -10, -8, -5, -4, -2, 0, 2, 4, 5, 8, 10

α(B) = 0, 2.5, 5, 10, 12, 14, 15, 16, 18, 20, 22, 25

* α = 0, 2.5, 25 missing

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TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: OA145C (ARC-87-118) DATA SET/RUN NUMBER COLLATION SUMMARY DATE:

DATA SET IDENTIFIER	CONFIGURATION	α	β	δe	δa	δBF	δSB	δR	RE/FT	MACH NUMBERS 2.5	3.0	3.5	TEST RUN NUMBERS
R2H022	Φ_1 (δ_{SB} = 55°)	10	A	10	0	0	55	0	2.5		93		
23	ELEVON IN B	15									92		
24		20		↓							89		
25		10		-10							94		
26		15		↓							91		
27		20	↓	↓							90		
28		10	2	A							78		
29		15	2								79		
30		20	2	↓	↓	↓	↓	↓	↓		80		

1 7 13 19 25 31 37 43 49 55 61 67 73 76

α OR β SCHEDULES

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

B(A) = -6, -4, -2, -1, 0, 1, 2, 3, 4, 6

δe(A) = -15, -13, -10, -8, -7, -6, -5, -4, -2, 0, 2, 4, 5, 8, 10

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TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: OA145C (ARC-87-118) DATA SET/RUN NUMBER COLLATION SUMMARY DATE:

DATA SET IDENTIFIER	CONFIGURATION	α	β	δe	δa	δDF	δSB	δR	RE/FT	MACH NUMBERS 2.5	3.0	3.5	TEST RUN NUMBERS
R2H031	AILERON EFFECT	10	0	0	FC	0	55	0	2.5		64		
32		15									34*	176	
33		20									71		
34		FC			5						67		
35		10		A							77		
36		15									76		
37		20									75		
38	EFFECTS OF δe AND δa	10		-10	FC						65		
39		15									61		
40		20									70		
41		FC			5						66		
42		10		10	FC						63		
43		15									62		
44		20									72		
45		FC			5						68		
46		15	A	0	5						69		
47		0	0	0	-5							179	

1 7 13 19 25 31 37 43 49 55 61 67 75 78

α OR β SCHEDULES

COEFFICIENTS

δa(FC) = -5, -3, -2, -1, 0, 1, 2, 3, 5, 8, 10

IDVAR (1) IDVAR (2) NDV

α(0) = 5, 7, 10, 12, 14, 15, 16, 18, 20, 22

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TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: OA145C (ARC-87-118) DATA SET/RUN NUMBER COLLATION SUMMARY DATE:

DATA SET IDENTIFIER	CONFIGURATION	α	β	δ_e	δ_a	δ_{BF}	δ_{SB}	δ_R	RE/FT	MACH NUMBERS 2.5	3.0	3.5	TEST RUN NUMBERS
R2H048	q_1 (δ_{SB} = 55°)	10	0	0	0	0	55	B	2.5		49		
49	RUDDER EFFECT	15	↓	↓	↓	↓	↓	A	↓		36°	178 △	
50	↓	20						B			50		
51		8						-5			52°	184 *	
52		10	A					-5			53		
53		15	A					-5			54		
54		20	A					-5			55		
↓ 55	→	15	2	↓	↓	↓	↓	A	↓		51		
R2H056	BODY FLAP	8	0	0	0	-11.7	55	0	2.5		60°	187 *	
57	↓	↓	↓	↓	↓	16.3	↓	↓	↓		59°	188 *	
58		↓				22.5					58		
59		10				FC					56		
60		15				FC					35°	177	
↓ 61	→	20	↓	↓	↓	FC	↓	↓	↓		57		
R2H062	TRIP LIMIT	A	0	-35	0	-11.7	55	0	2.5		73		
↓ 63	↓	A	0	20	0	22.5	55	0	2.5		74		

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

$\delta_R(B)$ = -9.5, -5, -2.5, 0, 2.5, 5, 10

$\delta_R(A)$ = -22.8, -18, -15, -10, -5, -2.5, 0, 2.5, 5, 10, 15, 22.8

$\delta_{BF}(FC)$ = -11.7, -8, -6, -4, -2, 0, 2, 4, 6, 8, 12, 16.3, 22.5 (IDVAR (1), IDVAR (2), NDV)

△ δ_R = 22.8 missing * α = 0, 2.5, 25 missing

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TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: OA145C (ARC-87-118) DATA SET/RUN NUMBER COLLATION SUMMARY DATE:

DATA SET IDENTIFIER	CONFIGURATION	α	β	δe	δa	δBF	δSB	δR	RE/FT	MACH NUMBERS 2.5	3.0	3.5	TEST RUN NUMBERS
R2H064	ϕ, (δSB = 25)	B	0	0	0	0	25	0	2.5		100		
65	LONG. AND LAT. DIR	10	A								106		
66	STABILITY	15	A								104		
67	↓	20	A								103		
68	↓	B	2					↓			101		
69	RUDDER EFF.	10	0					B			107		
70	↓	15	0					A			108		
71	↓	20	0					B			109		
72	↓	15	2					B			110		
73	↓	15	A					-5			105		
74	↓	B	0			↓		-5			102		
75	BODY FLAP EFF.	15	0	↓	↓	FC	↓	0	↓		111		

1 7 13 19 25 31 37 43 49 55 61 67 73 76

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

NASA-MSFC-MAF

TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: OA145C (ARC-87-118) DATA SET/RUN NUMBER COLLATION SUMMARY DATE:

DATA SET IDENTIFIER	CONFIGURATION	α	β	δe	δa	δBF	δSB	δR	RE/FT	MACH NUMBERS 2.5	3.0	3.5	TEST RUN NUMBERS
R2A076	Φ_1 (δ_{SB}=40)	B	0	0	0	0	40	0	2.5		139		
77	LONG & LAT. DIR.	15	A					0			141		
78	STABILITY	B	2					0			140		
79		10	0					B			144		
80		15	0					A			143		
81		20	0					B			145		
82		15	2					A			146		
83		15	A					-5			142		
84	↓	B	0	↓	↓	↓	↓	-5	↓		147		
85	Φ_1 (δ_{SB}=70)	B	0	0	0	0	70	0	2.5		129		
86	LONG & LAT. DIR.	15	A					0			132		
87	STABILITY	B	0					0			131		
88		10	0					B			135		
89		15	0					C			134		
90		20	0					B			136		
91		15	2					C			137		
92		15	A					-5			133		
↓ 93	↓	B	0	↓	↓	↓	↓	-5	↓		130		

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS $\delta_R(C)$ = -18, -15, -10, -5, -2.5, 0, 2.5, 5, 10, 15

IDVAR (1) IDVAR (2) NDV

NASA-MSFC-MAF

TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: OA145C (ARC-87-118) DATA SET/RUN NUMBER COLLATION SUMMARY DATE:

DATA SET IDENTIFIER	CONFIGURATION	α	β	δ_e	δ_a	δ_{BF}	δ_{SB}	δ_R	RE/FT	MACH NUMBERS 2.5	3.0	3.5	TEST RUN NUMBERS
R2H094	ϕ_1 (δ_{SB} = 87.2)	B	0	0	0	0	87.2	0	2.5		114		
95	LONG & LAT. DIR.	10	A								120		
96	STABILITY	15	A								118		
97		20	A								117		
98		B	2								115		
99		10	0					A			121		
A0		15	0					C			122		
A1		20	0					A			123		
A2		15	2					A			124		
A3		15	A					-5			119		
A4		B	0					-5			116		
A5		15	0			FC		0			125		

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES _____ COEFFICIENTS _____ IDVAR (1) IDVAR (2) NDV

NASA-MSFC-MAF

TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: OA145C (ARC-87-118) DATA SET/RUN NUMBER COLLATION SUMMARY DATE:

DATA SET IDENTIFIER	CONFIGURATION	α	β	δe	δa	δBF	δSB	δR	RE/FT	MACH NUMBERS 2.5	3.0	3.5	TEST RUN NUMBERS
R2HOA6	CONTROL INTERACTION	15	0	0	0	-11.7	55	D	2.5		159		
A7	δR/δBF		0			16.3		D			158		
A8			A			-11.7		-5			160		
A9	↓		A			16.3		-5			162		
B0	δe / δBF		0	FC		-11.7		0			154		
B1				FC		16.3		0			153		
B2				10		FC		0			156		
B3				-10		FC		0			157		
B4		B		-10		-11.7					180		
B5				-10		16.3					181		
B6				10		-11.7					183		
B7	↓	↓	↓	10	↓	16.3	↓	↓	↓		182		

1 7 13 19 25 31 37 43 49 55 61 67 75 78

α OR β SCHEDULES

δR(D) = -22.8, -18, -15, -10, -5, -2.5, 0, 2.5, 5, 10 COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

NASA-MSFC-MAF

TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: OA145C (ARC-87-118) DATA SET/RUN NUMBER COLLATION SUMMARY DATE:

DATA SET IDENTIFIER	CONFIGURATION	α	β	δe	δa	δBF	δSB	δR	RE/FT	ΦB	IB	MACH NUMBERS 2.5	3.0	3.5	TEST RUN NUMBERS
R2HOB8	INBD/OUTBD ELEVON	15	0	-	0	0	55	0	2.5	0	A		163		
B9	DIFFERENTIAL DEFL.			-						5	B		164		
C0				-						-5	C		165		
C1				-						A	0		166		
C2				-						B	5		167		
C3				-	↓					C	-5		168		
C4				0	Y					0	X		169		
C5				5						5	X		170		
C6				-5						-5	X		171		
C7				0						X	0		172		
C8				5						X	5		173		
↓ C9	↓	↓	↓	-5	↓	↓	↓	↓	↓	X	-5		174		

1 7 13 19 25 31 37 43 49 55 61 67 73 78

α OR β SCHEDULES δe_{AB}: $\delta e\ IB(A) = -4, -2, 0, 2, 4$ COEFFICIENTS

δe_{AB}: $\delta e\ IB(B) = 1, 3, 5, 7, 9$

$\delta e_{AB} = \delta e\ IB(C) = -9, -7, -5, -3, -1$

IDVAR (1) IDVAR (2) NDV

$\delta a\ IB(X) = -4, -2, 0, 2, 4$

$\delta a\ \Phi B(X) = -4, -2, 0, 2, 4$

$\delta a(Y) = -2, -1, 0, 1, 2$

NASA-MSFC-MAF

TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: OA145C (ARC-87-118) DATA SET/RUN NUMBER COLLATION SUMMARY DATE:

DATA SET IDENTIFIER	CONFIGURATION	α	β	δe	δa	δBF	δSB	δR	RE/FT	MACH NUMBERS 2.5	3.0	3.5
R2H0D0		15	A	0	0	-11.7	55	-5	2.5		161	A
D1		FC	0	0	0	0	55	0	2.5		150	
D2		15	A	0	0	0	55	0	2.5		149	
D3		15	0	B	0	0	55	0	2.5			175

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 78

α OR β SCHEDULES

δe(B) = -30, -20, -15, -13, -10, -8, -5, -2, 0, 2, 4, 5, 8, 10, 20 COEFFICIENTS

A β = 6 missing

IDVAR (1) IDVAR (2) NDV

NASA-MSFC-MAF

TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

COEFFICIENT SCHEDULES:

First character identified for Force Data

R	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVØN	AILRØN
A	CHEØ	CHEI	CHFDØ	CHFDI	CHBF	CHSB	AILRØN	ELEVØN		
B	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P	
C	BETA/ALPHA		ELEVØN	AILRØN	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-ØB	AIL-IB	AIL-ØB
D	ELV-LØ	ELV-LI	ELV-RØ	ELV-RI	DELL	DELR	DRHL			
E	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13

PRESSURE DATA COMPONENTS:

Fourth Character Identifier for Pressure Dataset

C Inboard Elevon Lower Surface

D Outboard Elevon Lower Surface

I Inboard Flipper Door Upper Surface

J Outboard Flipper Door Upper Surface

Q Inboard Elevon Upper Surface

R Outboard Elevon Upper Surface

S Body Flap Upper Surface

TABLE II. DATA SET/RUN COLLATION SUMMARY (Concluded)

T	Body Flap Lower Surface
W	Rudder Outer Surface
X	Rudder Inner Surface
6	Orbiter Base
8	Sting Lower Surface
9	Sting Upper Surface

Note: Eleven cove (flipper door lower surface) pressure coefficient data is presented in force format (schedule E above).

TABLE III. WING AND ELEVON PRESSURE TAP LOCATIONS

Spanwise Location - η	Upper Surface XW/c_W					Upper Surface XE/C_{EL}						
	0.150	0.250	0.400	0.550	X_o1359.6	-0.100	0.100	0.200	0.400	0.600	0.800	1.000
Inboard Edge									101		102	
0.340					15			103	104	105	106	107
0.427					25			108	109	110	111	112
0.534	31	32	33	34	35			113	114	115	116	117
0.615					45			118	119	120	121	122
Inboard Gap Edge									123		124	
Outboard Gap Edge									125		126	
0.715					55			127	128	129	130	131
0.800	61	62	63	64	65			132	133	134	135	136
0.887					75			137	138	139	140	141
0.960					85			142	143	144	145	146
Outboard Edge									147		148	149
	Lower Surface XW/CW					Lower Surface XE/C_{EL}						
Inboard Edge									150		151	
0.340						20	152	153	154	155	156	
0.427						30	157	158	159	160	161	
0.534	36	37	38	39		40	162	163	164	165	166	
0.615						50	167	168	169	170	171	
Inboard Gap Edge									172		173	
Outboard Gap Edge									174		175	
0.715						60	176	177	178	179	180	
0.800	66	67	68	69		70	181	182	183	184	185	
0.887						80	186	187	188	189	190	
0.960						90	191	192	193	194	195	
Outboard Edge									196		197	

TABLE IV. FLIPPER DOOR PRESSURE TAP LOCATIONS

SPANWISE LOCATION WING η	UPPER SURFACE X_{FD}/C_{FD}		
	0.10	0.50	0.90
0.340	201	202	203
0.427	204	205	206
0.534	207	208	209
0.615	210	211	212
0.715	213	214	215
0.800	216	217	218
0.887	219	220	221
0.960	222	223	224
INTERNAL CAVITY X_{FD}/C_{FD}			
	0.10	0.50	0.90
0.340		225	
0.427		228	
0.534		231	
0.615		234	
0.715		237	
0.800		240	
0.887		243	
0.960		246	

TABLE V. BODY FLAP PRESSURE TAP LOCATIONS

SPANWISE LOCATION $\eta = y/b$ at Hingeline	UPPER SURFACE X_{BF}/C_{BF}			
	-0.20	0.20	0.60	1.00
0.10 (L.H. Side)		301	302	303
0.20			304	
0.35				
0.50 ($Y_o = 0$)		305	306	307
0.80 (R.H. Side)			308	
	LOWER SURFACE X_{BF}/C_{BF}			
0.10 (L.H. Side)	309	314	315	316
0.20	310	317	318	319
0.35	311	320	321	322
0.50 ($Y_o = 0$)	312	323	324	325
0.80 (R.H. Side)	313	326	327	328

TABLE VI. SPEED BRAKE PRESSURE TAP LOCATIONS

SPANWISE LOCATION η = y/b at HINGELINE	OUTER SURFACE (L.H.) X_R/C_R				
	-0.20	0.20	0.60	0.80	1.00
0.10 (BOTTOM)	401	410	411		
0.20	402	412	413		414
0.30	403	415	416		417
0.40	404	418	419		420
0.50	405	421	422		423
0.60	406	424	425		426
0.70	407	427	428		429
0.80	408	430	431		432
0.90	409	433	434		435
1.03 (TOP)				436	
	INSIDE SURFACE (L.H.) X_R/C_R				
0.10 (BOTTOM)		437	438		
0.20		439	440		441
0.30					
0.40		442	443		444
0.50		445	446		447
0.60					
0.70		448	449		450
0.80					
0.90		451	452		453
1.03 (TOP)				454	

TABLE VII. AIR DATA PROBE AND STING PRESSURE TAP LOCATIONS

AIR DATA PROBE PRESSURES

L.H. SIDE AT X_o 291.67, Z_o 320.46	12
R.H. SIDE AT X_o 291.67, Z_o 320.46	13

STING PRESSURES

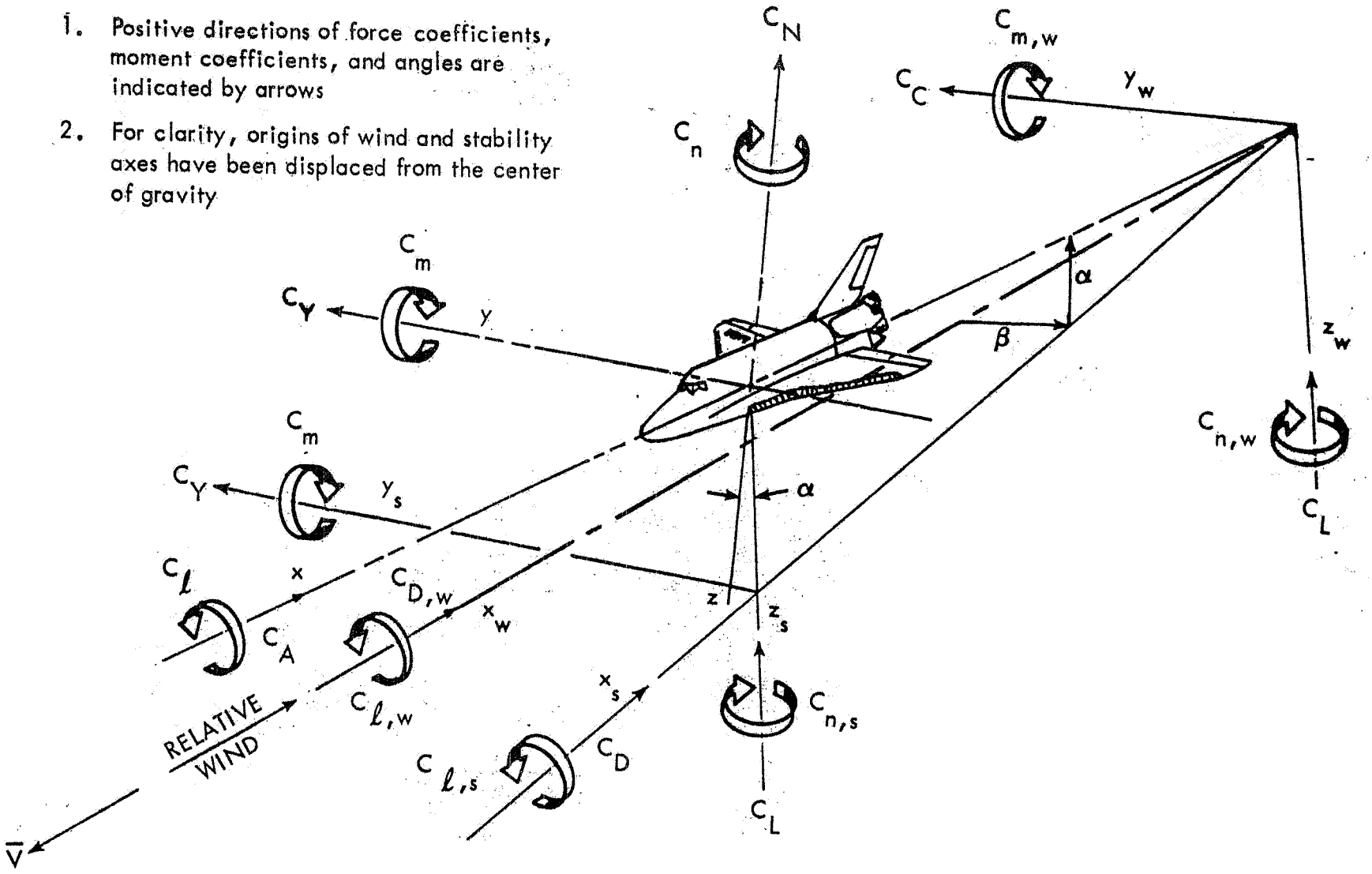
DISTANCE FROM MODEL BASE STATION - INCHES	UPPER STING	LOWER STING
0	501	511
2	502	512
4	503	513
6	504	514
8	505	515
10	506	516
12	507	517
14	508	518
16	509	519
18	510	520

TABLE VIII. COEFFICIENT TOLERANCES FOR THE 4-INCH TASK MKIVA BALANCE

COEFFICIENT	MACH NUMBER		
	.6	1.2	3.5
C_N	±0.009600	±0.006100	±0.017100
C_m	±0.002800	±0.001700	±0.005000
C_Y	±0.004800	±0.003000	±0.008500
C_n	±0.000580	±0.003700	±0.001050
C_A	±0.001100	±0.000700	±0.002000
C_ℓ	±0.000385	±0.000240	±0.000690

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



a. Axes Systems Definition

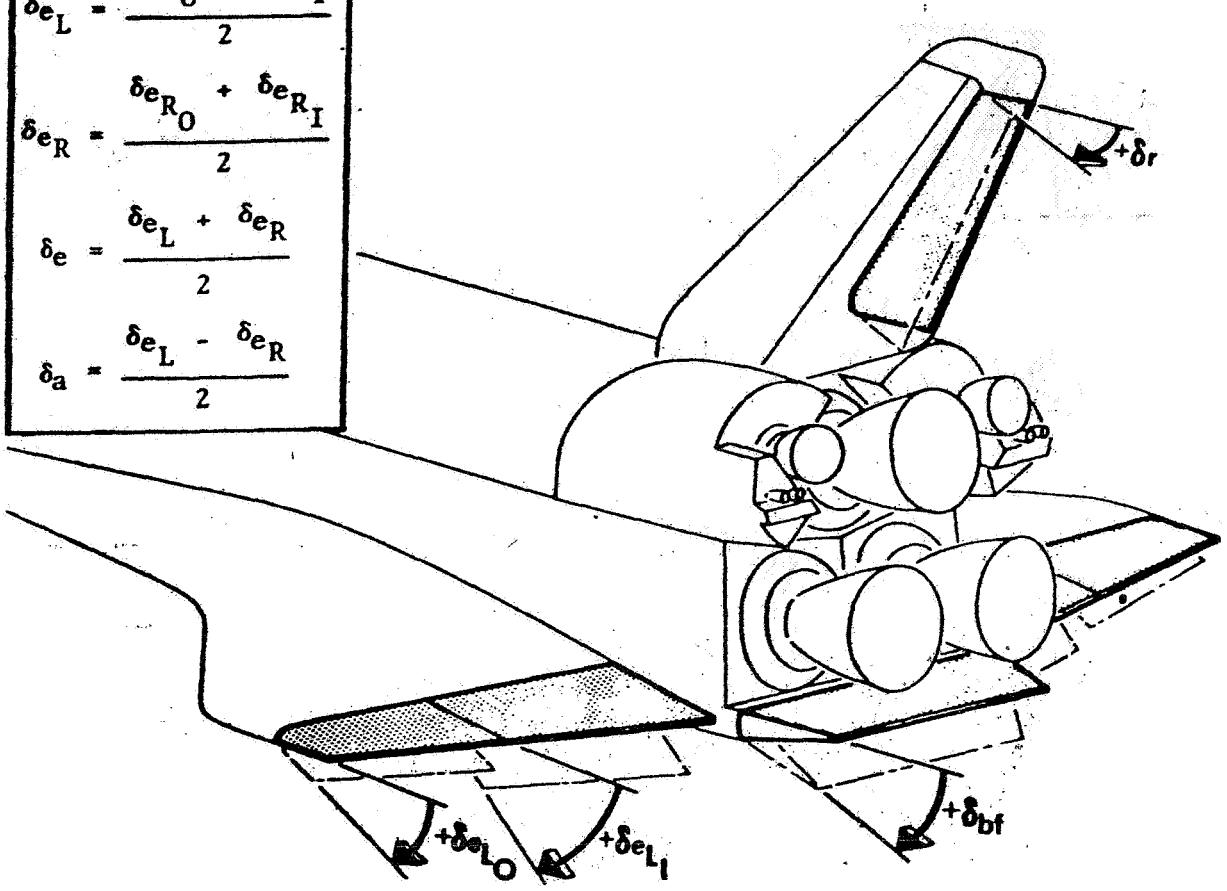
Figure 1. Axes systems and sign convention.

$$\delta e_L = \frac{\delta e_{L_O} + \delta e_{L_I}}{2}$$

$$\delta e_R = \frac{\delta e_{R_O} + \delta e_{R_I}}{2}$$

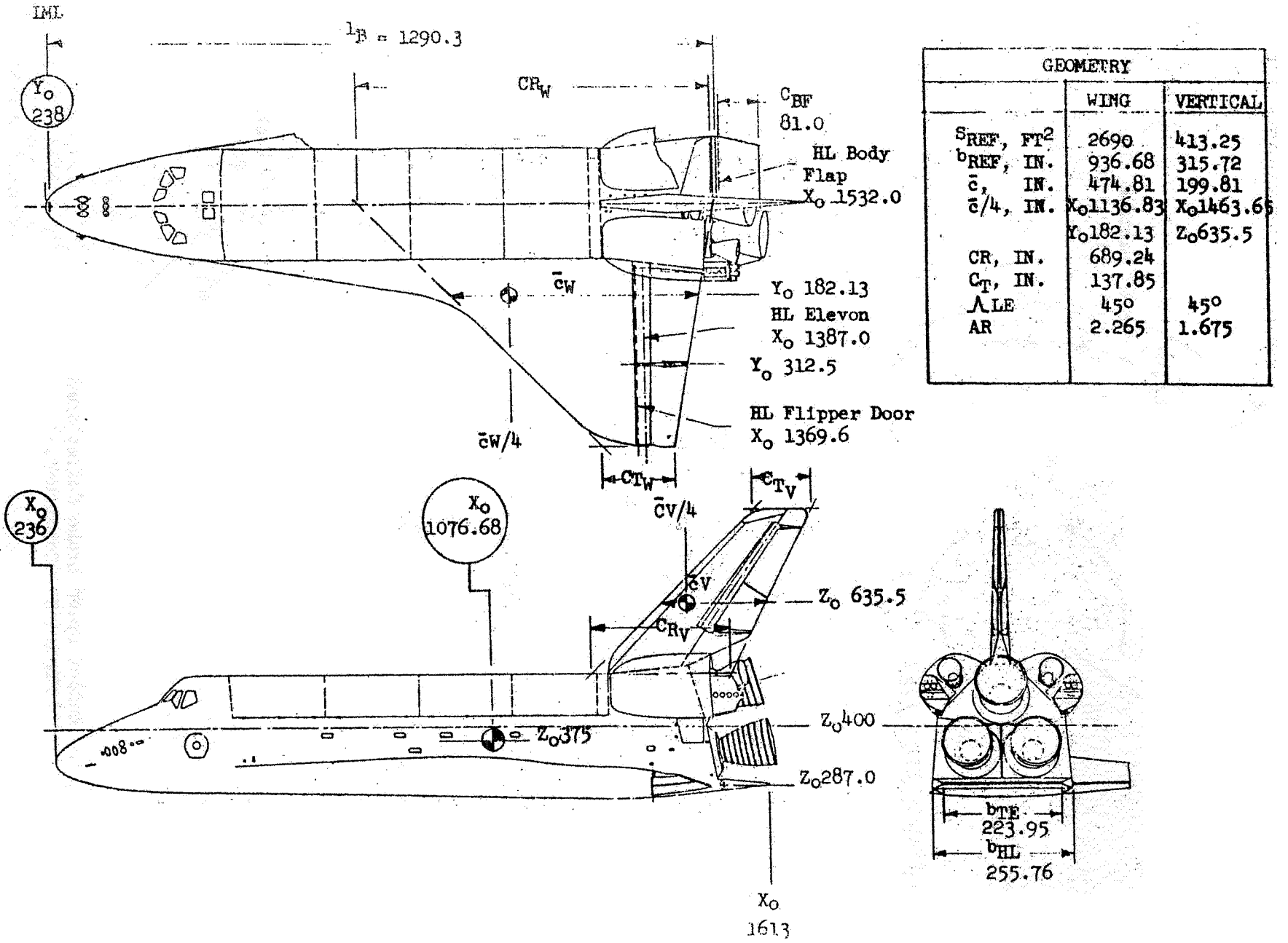
$$\delta e = \frac{\delta e_L + \delta e_R}{2}$$

$$\delta a = \frac{\delta e_L - \delta e_R}{2}$$



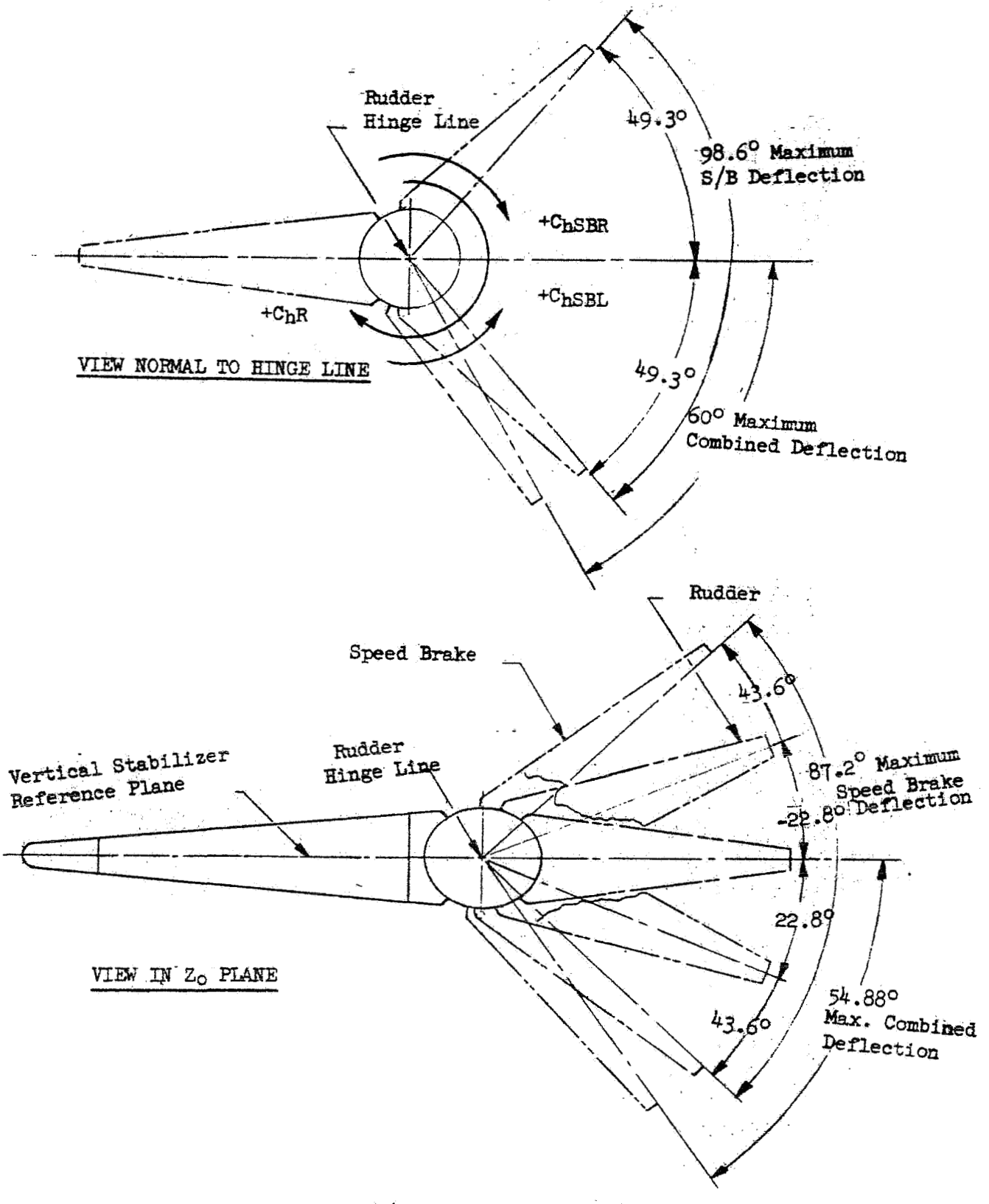
Positive Deflection of		Angle	Aero Forces and Moments	Hinge Moment
Rudder,	δr	$+\beta$, $-\psi$	$+C_Y$, $-C_n$	$-C_{h_r}$
Elevon,	δe	$-\alpha$, $-\theta$	$-C_m$	$-C_{h_e}$
Right,	δe_R	$-\phi$	$-C_\ell$	$-C_{he_R}$
Left,	δe_L	$+\phi$	$+C_\ell$	$-C_{he_L}$
Aileron,	δa	$+\phi$	$+C_\ell$	
Body Flap,	δbf	$-\alpha$, $-\theta$	$-C_m$	$-C_{hbf}$

b. Control Surface Deflections
Figure 1. Continued.

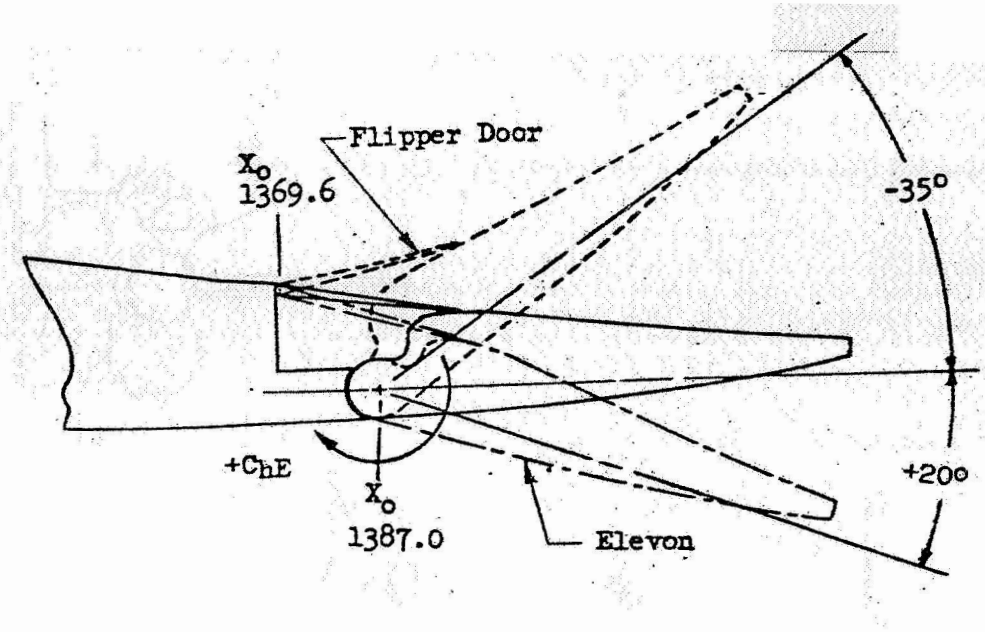


GEOMETRY		
	WING	VERTICAL
S_{REF}, FT^2	2690	413.25
b_{REF}, IN.	936.68	315.72
$\bar{c}$, IN.	474.81	199.81
$\bar{c}/4$, IN.	X_o 1136.83	X_o 1463.66
	Y_o 182.13	Z_o 635.5
CR, IN.	689.24	
C_T, IN.	137.85	
Λ_{LE}	45°	45°
AR	2.265	1.675

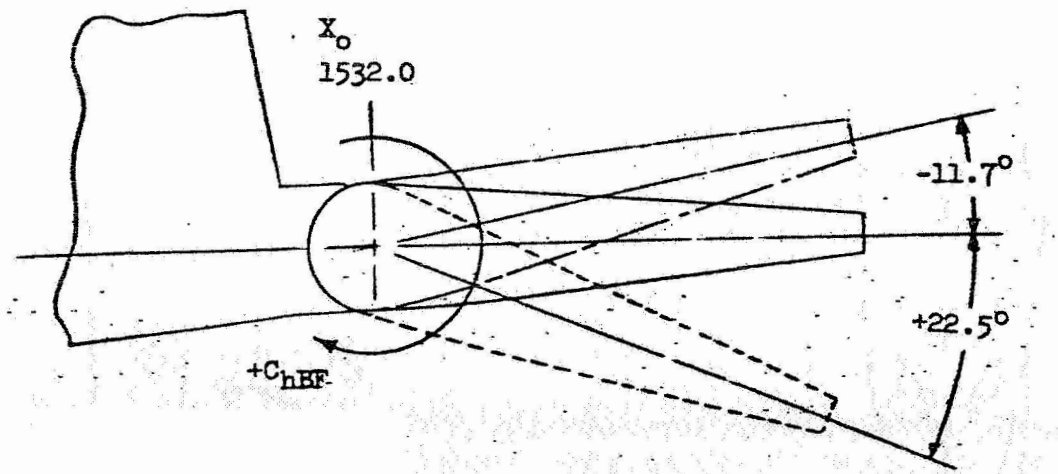
c. Orbiter Reference Dimensions
Figure 1. Continued.



d. Rudder/Speed Brake Deflections
Figure 1. Continued.

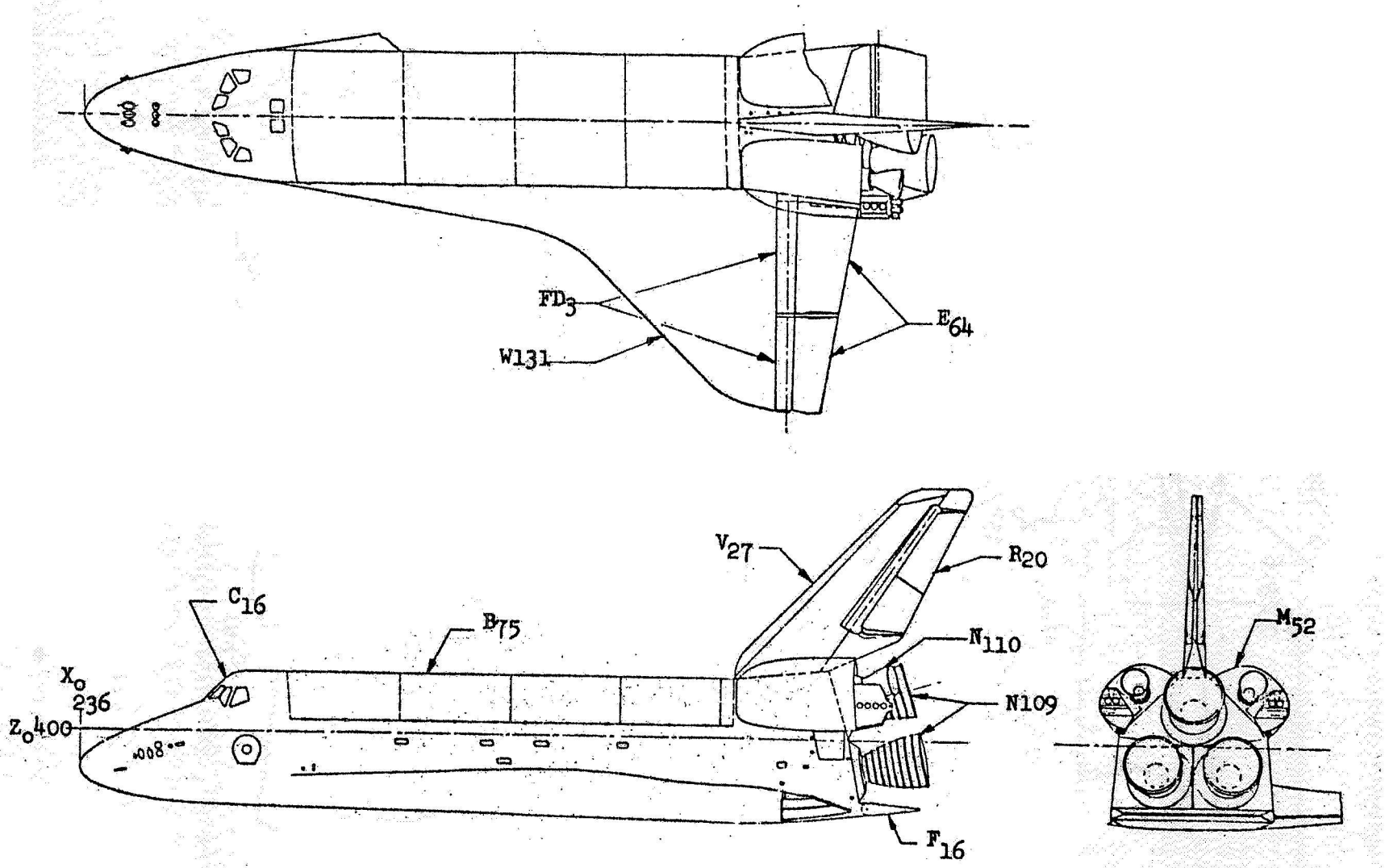


ELEVON DEFLECTIONS



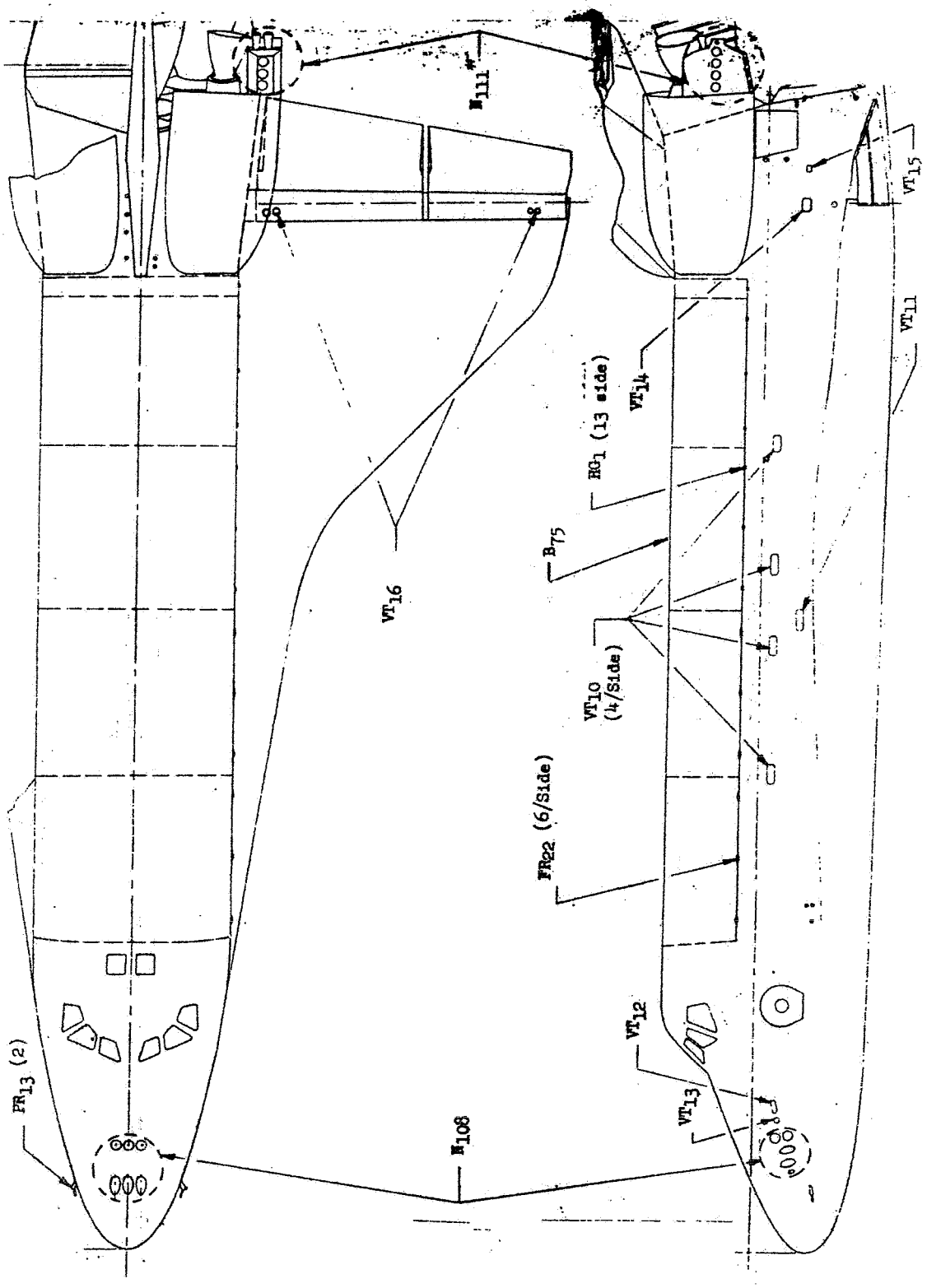
BODY FLAP DEFLECTIONS

e. Elevon and Body Flap Deflections
Figure 1. Concluded.

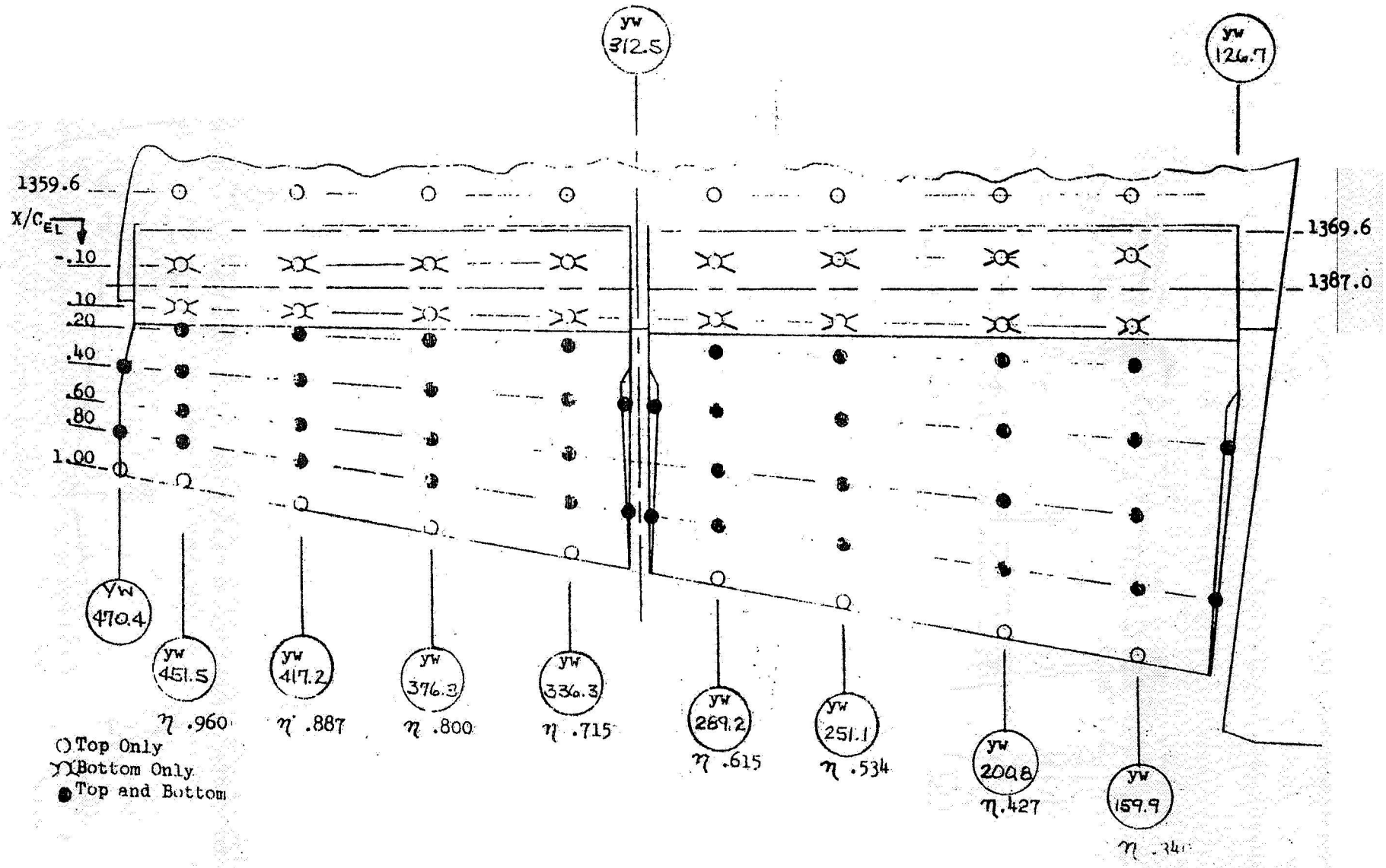


a. Orbiter Configuration

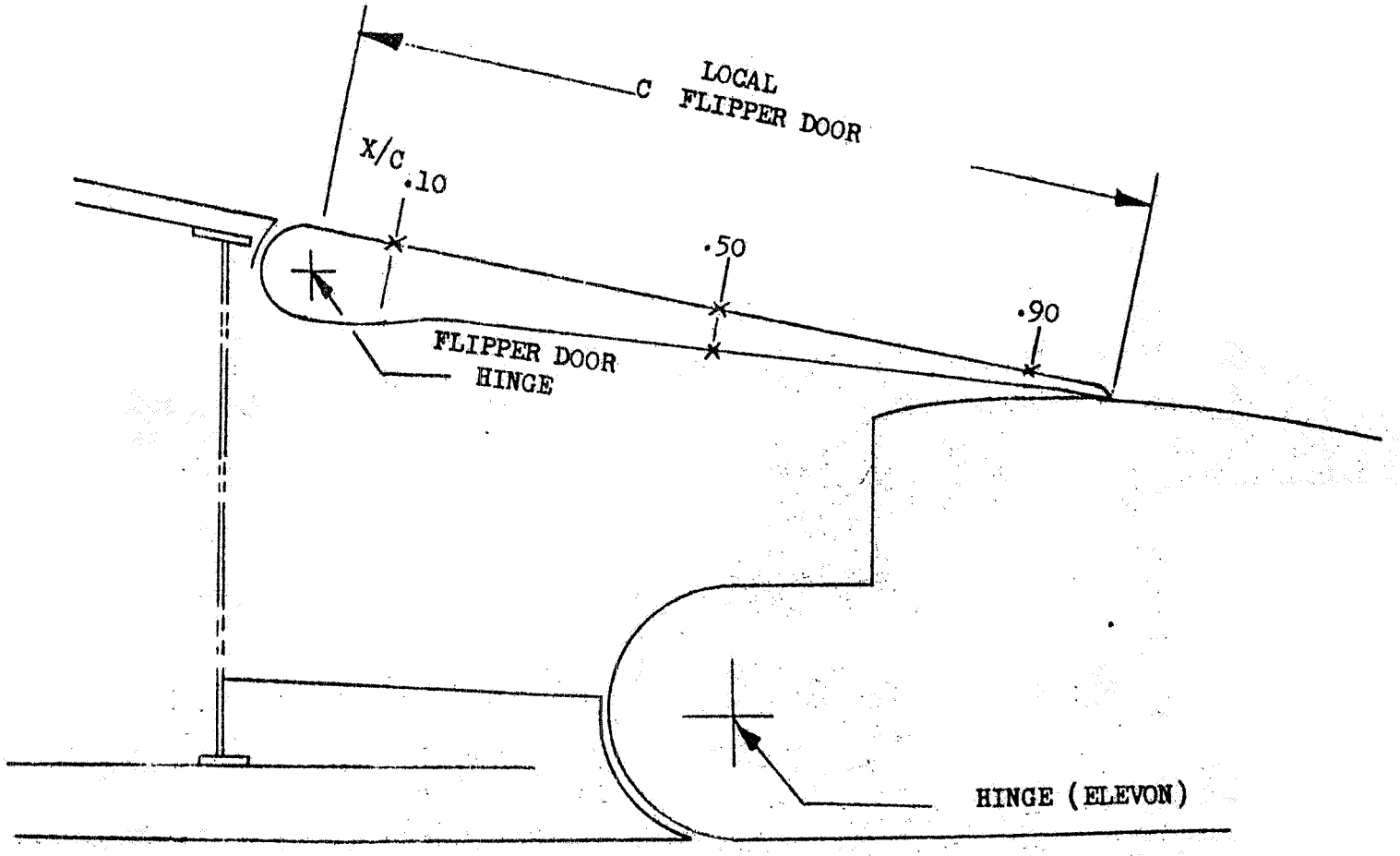
Figure 2. Model sketches.



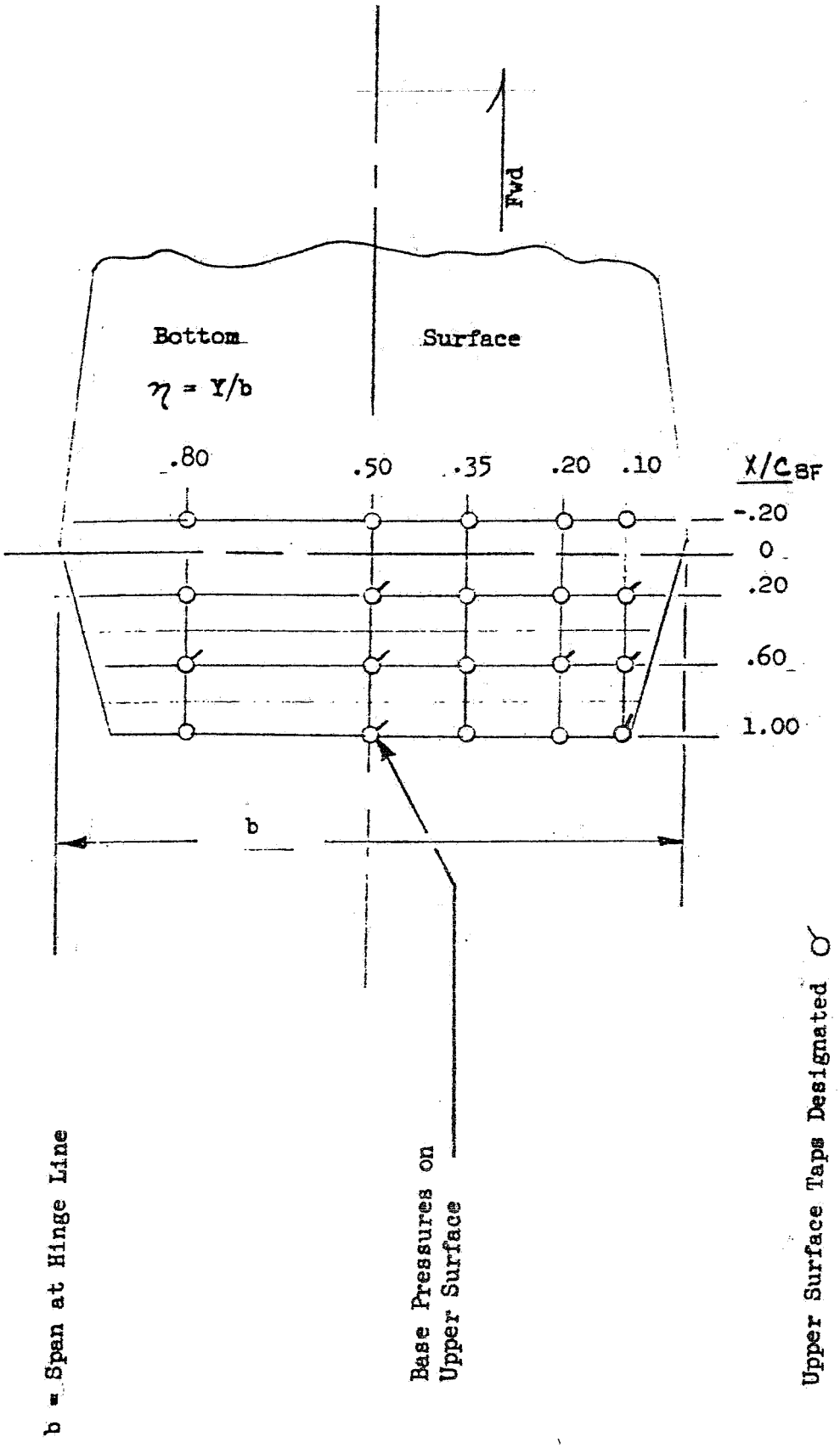
b. Protuberances and Penetrations
Figure 2. Continued.



c. Elevon and Wing Pressure Tap Locations
Figure 2. Continued.

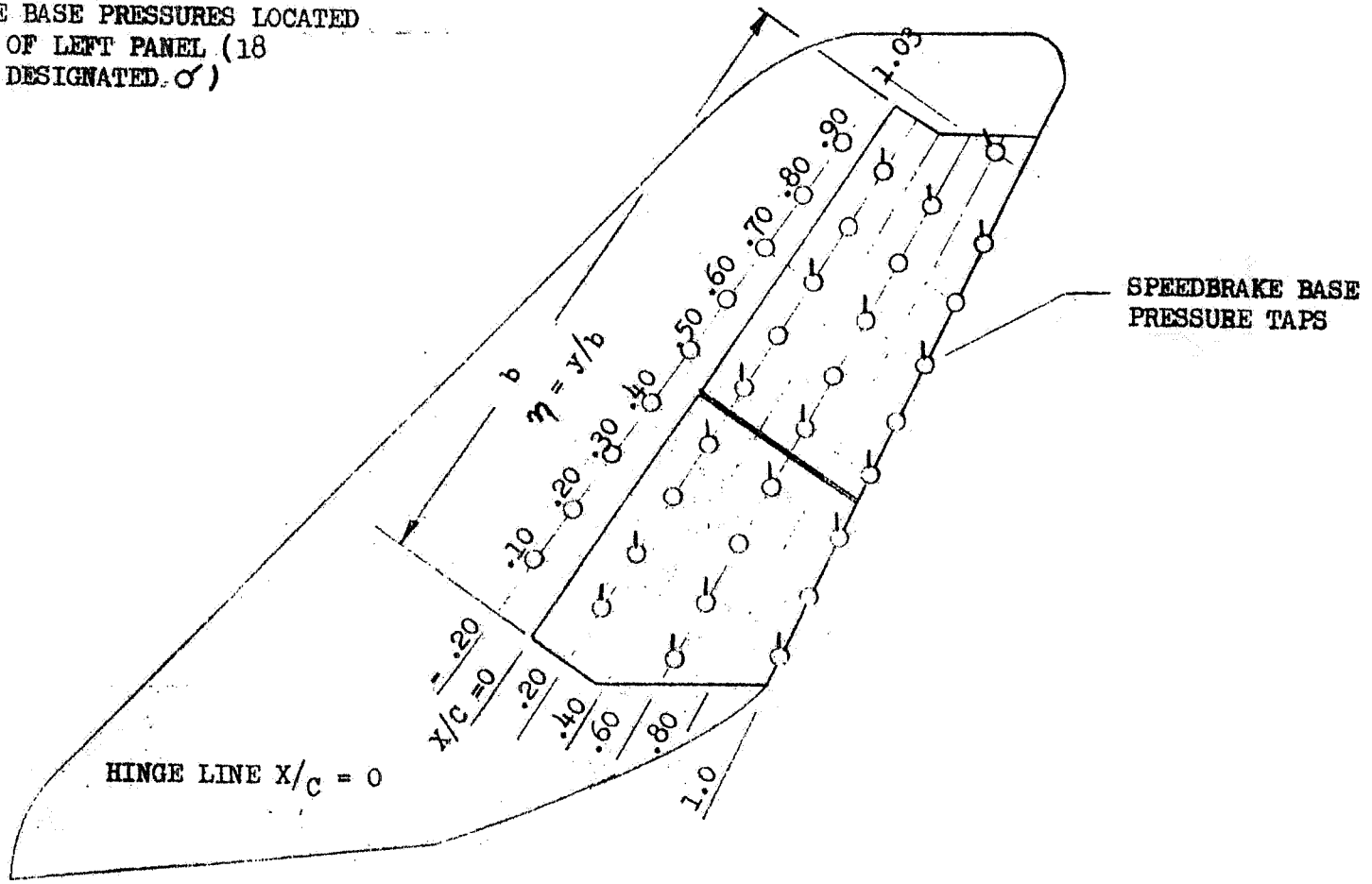


d. Flipper Door and Elevon Cavity Pressure Tap Locations
Figure 2. Continued.

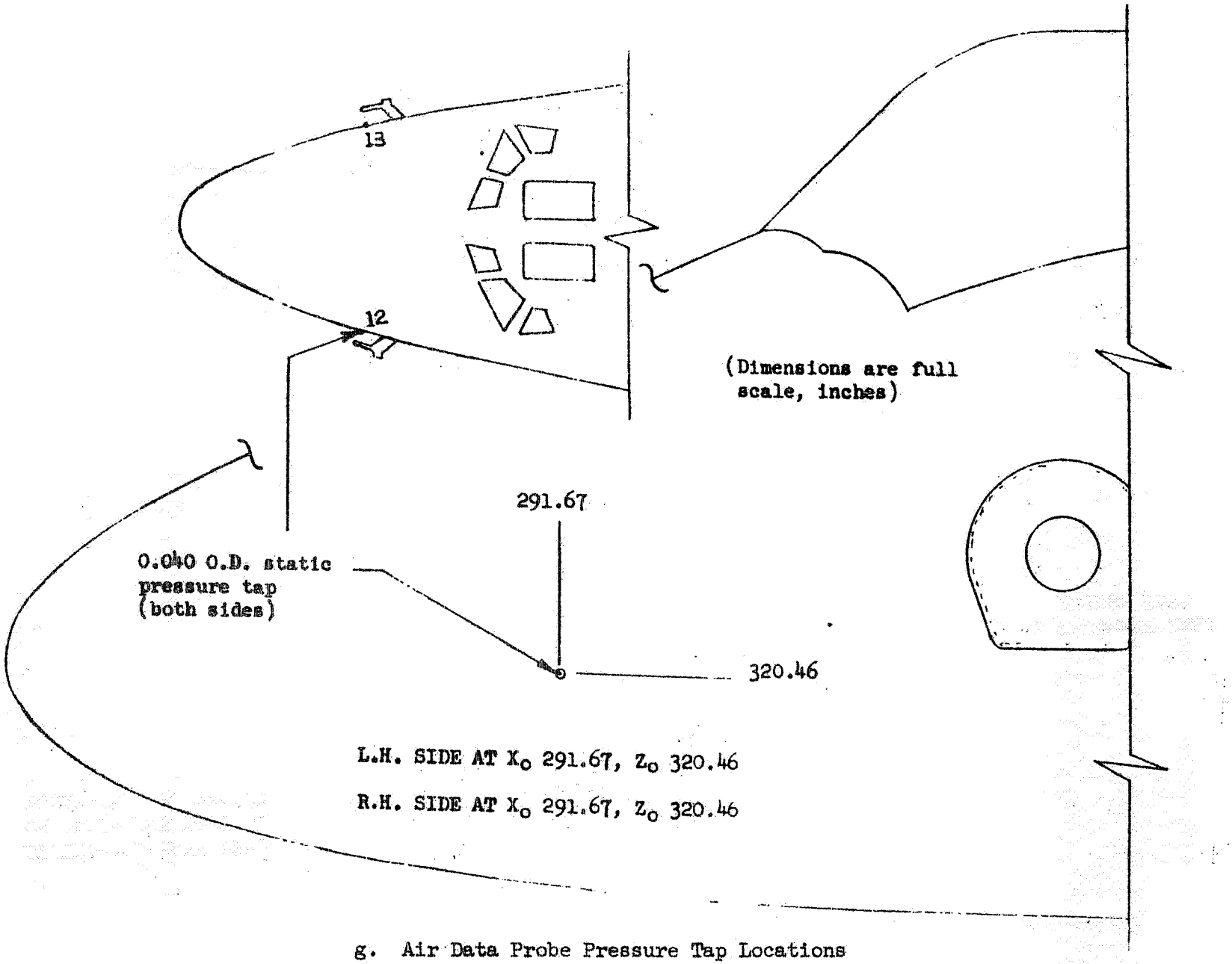


e. Body Flap Pressure Tap Locations
Figure 2. Continued.

- ALL MEASUREMENTS LEFT SIDE ONLY.
- TAPS AT T.E. LOCATED AS CLOSE TO T.E. AS POSSIBLE.
- SPEEDBRAKE BASE PRESSURES LOCATED ON INSIDE OF LEFT PANEL (18 LOCATIONS DESIGNATED σ)



f. Rudder/Speed Brake Surface Pressure Tap Locations
Figure 2. Continued.

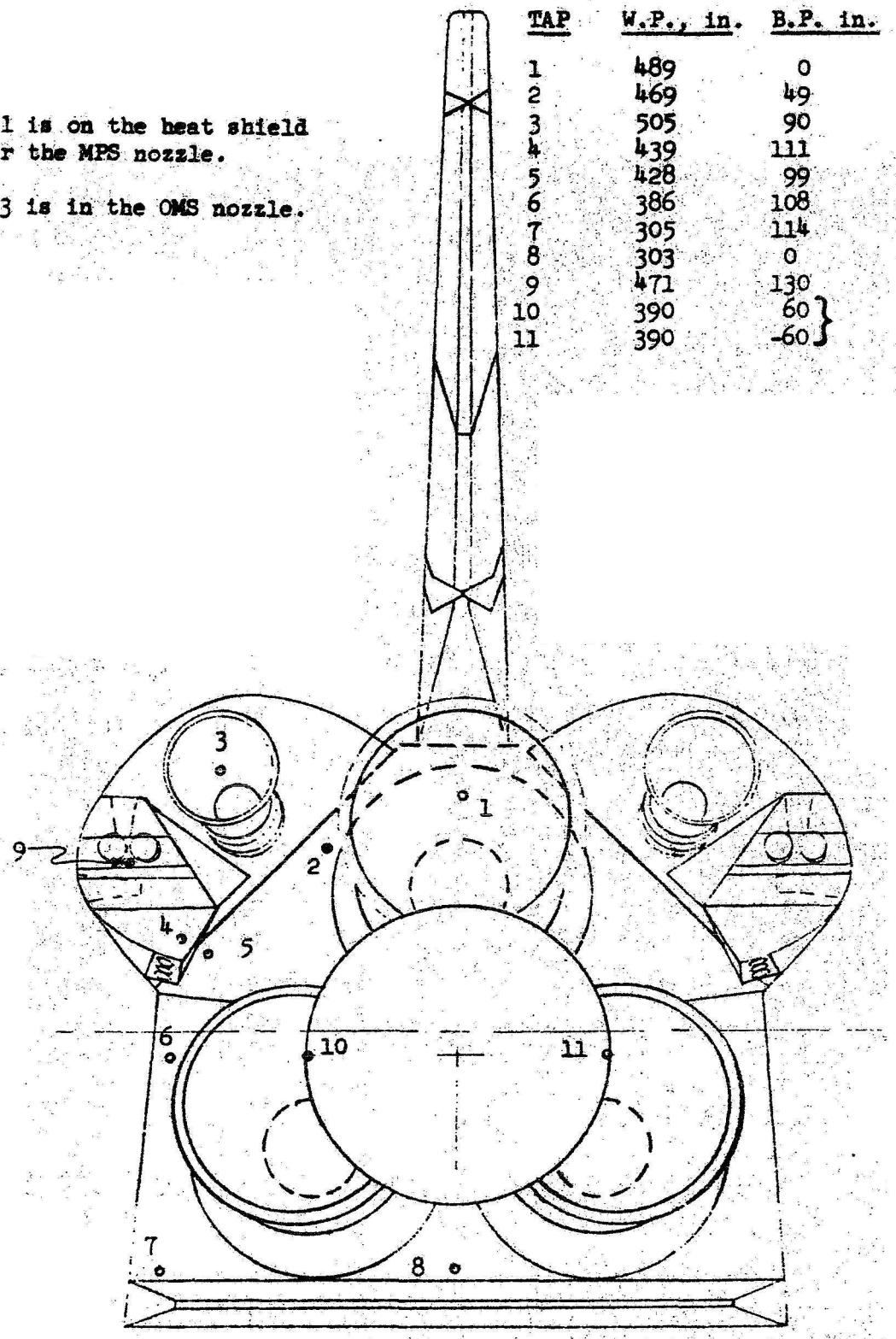


g. Air Data Probe Pressure Tap Locations
Figure 2. Continued.

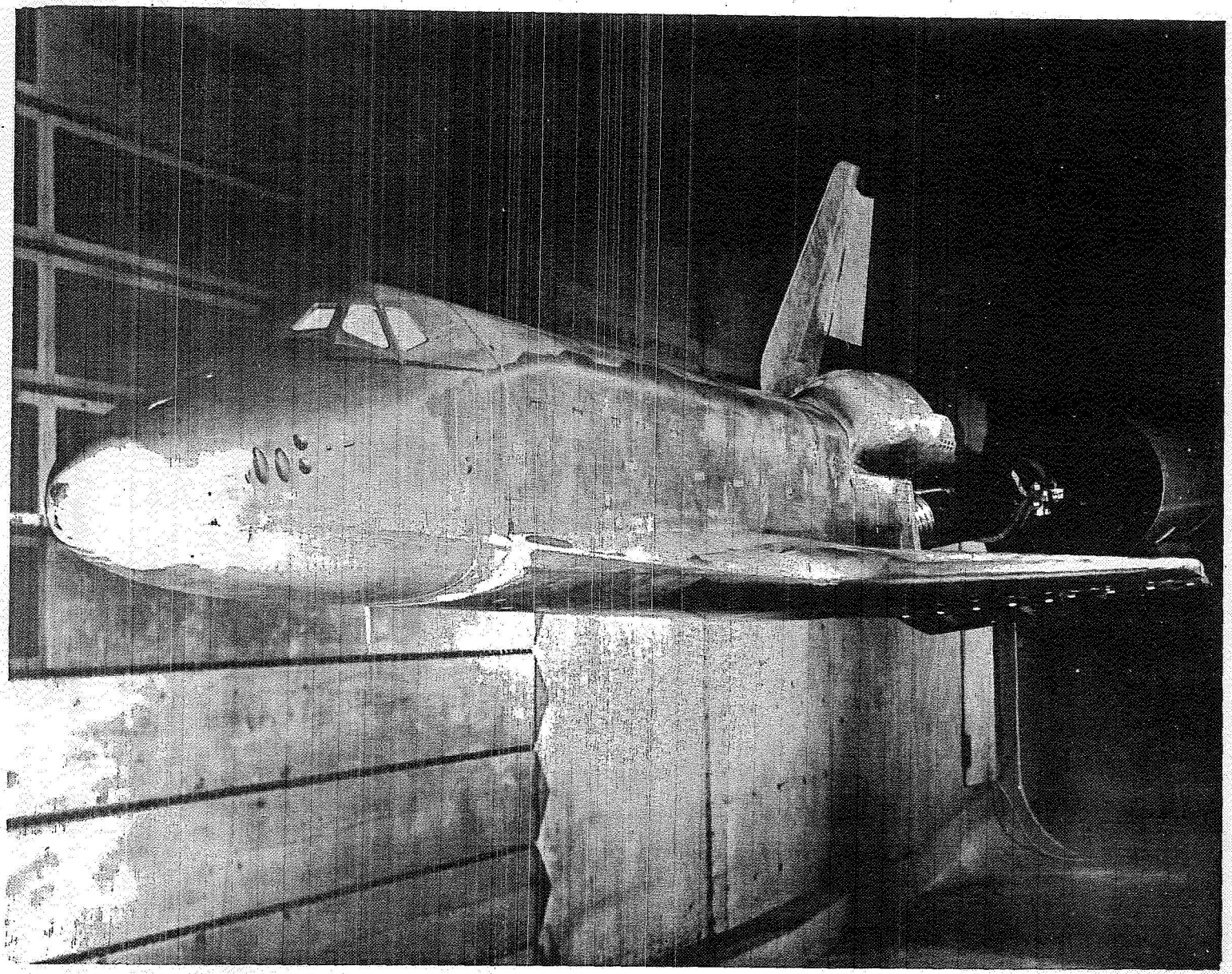
Tap 1 is on the heat shield under the MPS nozzle.

Tap 3 is in the OMS nozzle.

TAP	W.P., in.	B.P. in.	Area, ft^2
1	489	0	23.48
2	469	49	32.96
3	505	90	18.68
4	439	111	22.12
5	428	99	30.88
6	386	108	45.84
7	305	114	71.92
8	303	0	34.40
9	471	130	78.00
10	390	60	78.52
11	390	-60	
			436.80

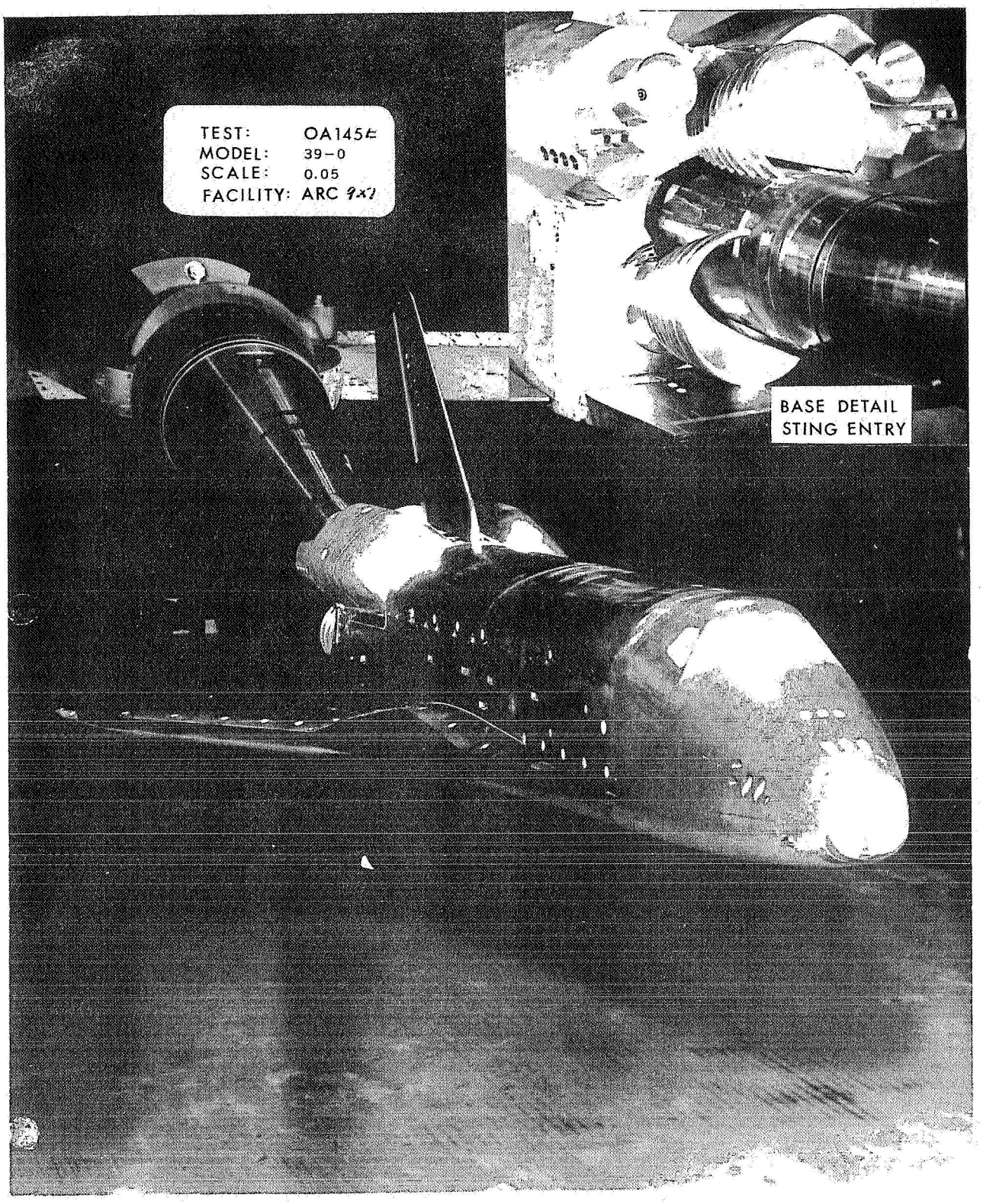


h. Base Pressure Tap Locations
Figure 2. Concluded.



a. Model Installed in 11 x 11 Foot Test Section (OA145A)

Figure 3. Model installation photographs.



b. Model Installed in 9 x 7 Foot Test Section with Base Detail (OA145B)
Figure 3. Concluded.

APPENDIX

TABULATED SOURCE DATA

AMES 118-1-87 OA145C 01 (R2H001) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	1.000		

RUN NO. 107 0 RN/L = .93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.087	.167	-.03600	.11990	-.03640	.11980	-.00400	.00260	-.00060	-.00010	.04250	.00250
3.087	1.940	.01460	.11880	.01060	.11920	-.00510	.00300	-.00070	.00010	.03820	.00270
3.087	3.890	.06670	.11600	.05870	.12030	-.00580	.00270	-.00060	.00000	.03300	.00300
3.087	5.870	.12730	.11000	.11540	.12240	-.00780	.00290	-.00060	.00020	.03300	.00300
3.087	7.859	.19240	.10610	.17610	.13140	-.01010	.00320	-.00060	.00030	.01640	.00640
3.087	9.876	.25740	.10240	.23610	.14510	-.01230	.00310	-.00060	.00020	.03090	.00090
3.087	11.914	.32590	.09890	.29840	.16410	-.01480	.00320	-.00040	.00030	.03090	.00090
3.087	13.936	.40000	.09630	.36500	.18980	-.01900	.00350	-.00050	.00050	.03330	.00330
3.087	14.949	.43780	.09470	.39860	.20440	-.02100	.00380	-.00030	.00040	.04040	.00040
3.087	17.002	.51430	.09180	.46490	.23820	-.02540	.00440	-.00010	.00050	.02880	-.00120
3.087	18.017	.55310	.08990	.49810	.25650	-.02780	.00470	-.00010	.00060	.01190	.00190
3.087	22.120	.71740	.08470	.63270	.34860	-.03840	.00540	.00030	.00050	.01730	-.00270
3.087	29.258	1.02950	.07420	.86190	.56790	-.06030	.00900	.00060	.00070	.02850	-.00150
	GRADIENT	.02757	-.00105	.02553	.00014	-.00048	.00002	.00000	.00003	-.00255	.00013

AMES 118-1-87 OA145C 01 (R2H002) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 167 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
2.493	.307	-.03060	.12720	-.03130	.12710	.00280	-.00080	.00010	-.00030	.04460	.00110
2.493	1.990	.01880	.12610	.01440	.12670	-.00040	-.00030	.00010	-.00020	.03990	.00090
2.493	4.010	.08040	.12350	.07150	.12880	-.00420	-.00030	.00000	-.00020	.02090	.00190
2.493	6.033	.14350	.11900	.13020	.13340	-.00900	-.00010	.00000	-.00020	.03040	.00140
2.493	8.069	.20810	.11540	.18990	.14340	-.01140	.00030	.00000	-.00010	.04230	.00330
2.493	10.124	.27750	.11010	.25390	.15720	-.01420	.00110	.00010	-.00010	.03090	-.00260
2.493	12.200	.34960	.10640	.31920	.17790	-.01750	.00210	.00000	.00010	.03280	.00380
2.493	14.203	.42230	.10420	.38380	.20460	-.02120	.00290	.00010	.00010	.02110	.00660
2.493	15.236	.45960	.10270	.41640	.21990	-.02300	.00290	.00010	.00010	.01590	.00690
2.493	16.219	.49610	.10140	.44800	.23590	-.02490	.00300	.00020	.00010	.01590	.00690
2.493	18.252	.57310	.09780	.51370	.27240	-.02960	.00320	.00030	.00010	.03580	-.00320
2.493	20.318	.65370	.09430	.58030	.31540	-.03490	.00290	.00030	.00020	.03530	.00630
2.493	22.314	.73350	.09030	.64430	.36200	-.04120	.00280	.00020	.00020	.03780	.00780
2.493	26.427	.90670	.08140	.77580	.47640	-.05510	.00220	.00030	.00020	.01380	.00480
2.493	29.771	1.05290	.07270	.87780	.58590	-.06640	.00200	.00040	.00030	.03280	.00380
	GRADIENT	.02999	-.00101	.02778	.00048	-.00189	.00013	-.00003	.00003	-.00650	.00023

RUN NO. 22/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	.182	-.03950	.11460	-.03990	.11450	-.00490	-.00060	-.00010	-.00010	.02330	-.00120
3.001	1.875	.00440	.11190	.00080	.11200	-.00540	.00020	-.00010	-.00010	.00000	.00000
3.001	3.882	.05680	.10900	.04930	.11260	-.00570	-.00050	-.00010	-.00010	-.00050	-.00500
3.001	5.887	.11360	.10430	.10230	.11540	-.00750	.00010	-.00010	.00000	.00230	-.00230
3.001	7.896	.17360	.10060	.15810	.12350	-.00970	.00040	-.00010	.00010	.00230	-.00230
3.001	9.949	.23700	.09680	.21670	.13630	-.01040	.00080	-.00010	.00020	-.00250	.00250
3.001	12.102	.30550	.09400	.27900	.15600	-.01280	.00140	-.00010	.00020	.00230	-.00230
3.001	14.149	.37170	.09160	.33800	.17970	-.01530	.00220	-.00010	.00030	.00470	.00020
3.001	15.195	.40580	.09030	.36800	.19350	-.01640	.00310	-.00010	.00040	.02130	-.00330
3.001	16.195	.44170	.08940	.39920	.20910	-.01810	.00380	.00000	.00040	.02320	.00320
3.001	18.198	.51270	.08650	.46010	.24230	-.02160	.00400	.00000	.00040	.00920	-.00080
3.001	20.260	.58900	.08400	.52340	.28280	-.02560	.00400	.00000	.00050	.02330	-.00120
3.001	22.246	.66580	.08150	.58640	.32750	-.03010	.00380	.00000	.00050	.02990	.00540
3.001	26.350	.83260	.07510	.71280	.43680	-.04080	.00300	.00020	.00050	.02070	.00070
3.001	29.544	.96920	.07040	.80850	.53920	-.04890	.00340	.00020	.00070	.01160	.00160
	GRADIENT	.02603	-.00151	.02411	-.00049	-.00021	.00002	.00000	.00000	-.00624	-.00107

AMES 118-1-87 OA145C 01 (R2H002) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILPON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 85/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.498	.020	-.04330	.10140	-.04340	.10140	-.01030	-.00170	.00040	-.00020	.04230	-.01120
3.498	2.104	.00510	.09840	.00140	.09860	-.00910	-.00090	.00030	-.00020	.02780	-.00570
3.498	4.642	.06640	.09390	.05860	.09900	-.00770	-.00060	.00030	-.00020	.03730	-.00620
3.498	7.116	.13230	.08890	.12030	.10460	-.00850	-.00060	.00040	-.00020	.03730	-.00620
3.498	9.674	.20380	.08570	.18650	.11870	-.00880	-.00030	.00040	-.00020	.02060	-.00740
3.498	11.737	.26320	.08340	.24080	.13520	-.00990	.00010	.00030	-.00010	.03560	-.01340
3.498	13.767	.32470	.08120	.29610	.15610	-.01140	.00040	.00040	-.00020	.03960	-.00840
3.498	14.765	.35520	.08010	.32310	.16800	-.01200	.00110	.00040	-.00010	.02630	-.01020
3.498	15.755	.38590	.07900	.34990	.18080	-.01310	.00130	.00030	-.00010	.03280	-.01070
3.498	17.774	.45250	.07680	.40740	.21120	-.01510	.00220	.00020	.00000	.01630	-.00730
3.498	19.824	.52480	.07490	.46830	.24840	-.01730	.00220	.00020	.00000	.01630	-.00730
3.498	22.314	.61680	.07190	.54330	.30070	-.02080	.00220	.00020	.00010	.01780	-.00470
3.498	25.034	.72200	.06900	.62500	.36810	-.02540	.00270	.00030	.00010	.03040	-.00760
	GRADIENT	.02375	-.00163	.02208	-.00049	.00056	.00023	-.00002	.00000	-.00091	.00104

AMES 118-1-87 OA145C 01 (R2H003) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 3.250

RUN NO. 13/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
2.493	.309	-.03170	.12770	-.03230	.12760	.00280	-.00110	.00010	-.00020	.01420	.00520
2.493	2.007	.01820	.12660	.01370	.12710	-.00020	.00010	.00000	-.00020	.04030	.00130
2.493	3.894	.07580	.12400	.06720	.12880	-.00370	-.00030	.00010	-.00020	.02130	.00230
2.493	5.808	.13520	.11960	.12240	.13270	-.00830	-.00020	.00010	-.00020	.01420	.00520
2.493	7.762	.19640	.11620	.17890	.14170	-.01110	.00030	.00010	-.00010	.01920	.00020
2.493	9.739	.26150	.11130	.23890	.15390	-.01340	.00110	.00010	.00000	.03750	.00400
2.493	11.930	.33920	.10720	.30970	.17500	-.01680	.00220	.00010	.00000	.02900	-.00550
2.493	13.980	.41300	.10470	.37540	.20130	-.02050	.00220	.00010	.00010	.04440	.00540
2.493	15.013	.45110	.10300	.40900	.21640	-.02260	.00210	.00020	.00010	.03280	.00380
2.493	16.180	.49420	.10160	.44630	.23530	-.02470	.00240	.00020	.00010	.03320	-.00130
2.493	18.250	.57220	.09800	.51270	.27220	-.02930	.00220	.00030	.00010	.01380	.00480
2.493	20.336	.65320	.09460	.57970	.31570	-.03470	.00200	.00030	.00010	.04230	.00330
2.493	22.507	.74170	.09010	.65070	.36710	-.04200	.00150	.00020	.00020	.02530	.01070
2.493	23.521	.78390	.08790	.68370	.39350	-.04540	.00150	.00030	.00010	.03320	.00420
2.493	26.586	.91330	.08150	.78030	.48170	-.05560	.00110	.00010	.00030	.03750	.00750
2.493	29.955	1.06150	.07320	.88320	.59340	-.06670	.00090	.00040	.00040	.04410	.00510
	GRADIENT	.02999	-.00104	.02776	.00035	-.00181	.00022	.00000	.00000	.00176	-.00078

AMES 118-1-87 OA145C 01 (R2H004) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	4.000		

RUN NO. 17/ 0 RN/L = 4.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
2.493	.294	-.03220	.12790	-.03290	.12770	.00270	-.00120	.00020	-.00020	.01630	.00730
2.493	2.005	.01830	.12650	.01380	.12710	-.00030	.00030	.00000	-.00020	.03010	.00660
2.493	4.053	.08000	.12340	.07110	.12870	-.00410	-.00020	.00000	-.00020	.03280	.00380
2.493	6.107	.14360	.11890	.13010	.13350	-.00880	.00000	.00000	-.00010	.03080	.00180
2.493	8.161	.20800	.11530	.18950	.14360	-.01120	.00070	.00000	-.00010	.02300	.00400
2.493	10.234	.27870	.11010	.25470	.15780	-.01350	.00150	.00010	.00000	.02770	.00420
2.493	12.340	.35340	.10680	.32240	.17980	-.01700	.00170	.00000	.00000	.04250	-.00100
2.493	14.389	.42790	.10400	.38870	.20710	-.02100	.00140	.00010	.00010	.02330	.00430
2.493	15.421	.46510	.10250	.42110	.22250	-.02250	.00160	.00010	.00010	.02090	.00190
2.493	16.426	.50260	.10090	.45360	.23890	-.02450	.00160	.00020	.00010	.02060	.00160
2.493	18.495	.58190	.09750	.52090	.27710	-.02940	.00140	.00030	.00000	.03770	.00320
2.493	20.577	.66210	.09390	.58690	.32070	-.03460	.00110	.00020	.00010	.03350	-.00100
2.493	22.596	.74470	.08990	.65300	.36910	-.04150	.00080	.00010	.00020	.02040	.01140
2.493	26.753	.92100	.08140	.78580	.48730	-.05530	.00020	.00020	.00020	.04410	.00510
2.493	30.140	1.06870	.07280	.88770	.59960	-.06590	-.00020	.00030	.00030	.02980	.00620
	GRADIENT	.02986	-.00121	.02768	.00028	-.00181	.00025	-.00005	.00000	.00429	-.00095

AMES 11ft-1-87 OA145C 01 (R2H005) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 19/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
2.493	-6.497	.11880	.11910	.10790	.12910	-.01220	.10230	-.00420	.00640	.04410	.00510
2.493	-4.377	.11420	.12100	.10320	.13050	-.00850	.06520	-.00150	.00350	.02030	.00680
2.493	-2.235	.11300	.12090	.10200	.13030	-.00720	.03070	-.00020	.00140	.04670	.00320
2.493	-1.178	.11200	.12090	.10100	.13020	-.00670	.01550	-.00010	.00060	.01920	.00020
2.493	-.106	.11260	.12070	.10160	.13010	-.00680	-.00010	.00000	-.00020	.03300	-.00050
2.493	.962	.11310	.12060	.10200	.13010	-.00700	-.01550	.00020	-.00100	.02630	-.00270
2.493	2.004	.11400	.12030	.10280	.13000	-.00740	-.03060	.00040	-.00180	.03300	-.00050
2.493	3.057	.11420	.12040	.10310	.13010	-.00800	-.04780	.00130	-.00290	.02870	-.00030
2.493	4.134	.11590	.12040	.10470	.13020	-.00880	-.06480	.00170	-.00370	.01820	.00470
2.493	6.279	.12030	.11850	.10930	.12880	-.01250	-.10260	.00460	-.00640	.03040	.00140
	GRADIENT	.00022	-.00009	.00019	-.00004	-.00006	-.01509	.00033	-.00083	-.00051	-.00045

RUN NO. 27/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	-6.277	.09470	.10530	.08520	.11310	-.01220	.10150	-.00390	.00660	.02370	-.00080
3.001	-4.158	.09100	.10600	.08150	.11340	-.00950	.06460	-.00090	.00380	.01900	-.00100
3.001	-3.091	.08900	.10580	.07950	.11310	-.00810	.04760	-.00030	.00270	.01480	-.00520
3.001	-2.045	.08830	.10560	.07880	.11290	-.00740	.03060	.00030	.00150	.01240	-.00760
3.001	-.987	.08720	.10590	.07770	.11310	-.00660	.01540	.00010	.00080	.01970	-.00580
3.001	.083	.08790	.10640	.07820	.11360	-.00670	.00020	-.00010	.00000	.01980	-.01020
3.001	1.138	.08790	.10590	.07830	.11320	-.00660	-.01500	-.00040	-.00080	.02430	-.00570
3.001	2.194	.08890	.10570	.07930	.11310	-.00730	-.03080	-.00040	-.00160	.00230	-.00230
3.001	3.248	.09010	.10590	.08040	.11340	-.00800	-.04780	.00020	-.00280	.00230	-.00230
3.001	4.300	.09190	.10560	.08230	.11330	-.00960	-.06490	.00100	-.00390	.01920	-.00530
3.001	6.437	.09470	.10510	.08500	.11310	-.01220	-.10330	.00450	-.00690	.00230	-.00230
3.001	10.626	.09720	.10590	.08740	.11420	-.01640	-.17560	.00640	-.01040	.01690	-.00310
	GRADIENT	.00014	-.00002	.00012	.00002	.00000	-.01509	.00011	-.00087	-.00082	.00003

AMES 118-1-87 OA145C 01 (R2H005) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 87/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.498	-6.557	.07590	.09380	.06780	.09980	-.01270	.09800	-.00390	.00680	.03380	-.01520
3.498	-4.471	.07310	.09360	.06500	.09930	-.01100	.06300	-.00170	.00420	.02710	-.01740
3.498	-2.348	.07130	.09280	.06330	.09840	-.00900	.03010	-.00020	.00190	.03880	-.02020
3.498	-1.259	.06960	.09280	.06160	.09830	-.00810	.01410	.00010	.00080	.05560	-.01890
3.498	-.181	.06940	.09330	.06140	.09880	-.00780	-.00100	.00040	-.00020	.03610	-.01740
3.498	.892	.06930	.09290	.06130	.09840	-.00790	-.01610	.00070	-.00130	.03180	-.01720
3.498	1.970	.07020	.09300	.06220	.09860	-.00890	-.03170	.00100	-.00230	-.00140	-.01490
3.498	3.056	.07140	.09350	.06330	.09920	-.00960	-.04870	.00150	-.00340	.02640	-.01260
3.498	4.143	.07300	.09360	.06490	.09940	-.01110	-.06530	.00230	-.00450	.06440	-.01460
3.498	6.304	.07400	.09420	.06580	.10010	-.01230	-.10100	.00440	-.00710	.04270	-.01080
	GRADIENT	-.00003	.00003	-.00003	.00004	-.00002	-.01474	.00041	-.00100	.00037	.00066

AMES 118-1-87 OA145C 01 (R2H006) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 29/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
2.493	-6.497	.28810	.11090	.26380	.16040	-.01730	.09270	-.00050	.00800	.00920	-.00080
2.493	-4.382	.28430	.11120	.25990	.16000	-.01530	.06030	.00040	.00490	.00920	-.00080
2.493	-2.263	.28160	.11020	.25750	.15850	-.01490	.03090	.00030	.00240	.00740	-.00260
2.493	-1.197	.27970	.10980	.25580	.15770	-.01430	.01570	.00020	.00110	.03560	-.00440
2.493	-.128	.27960	.10930	.25570	.15740	-.01410	.00120	.00010	.00000	.01920	-.00530
2.493	.923	.28130	.10930	.25720	.15790	-.01440	-.01320	.00000	-.00120	.01180	-.00280
2.493	1.992	.28230	.11000	.25800	.15880	-.01510	-.02840	-.00020	-.00230	.01970	-.00580
2.493	3.011	.28370	.11060	.25920	.15980	-.01530	-.04250	-.00020	-.00360	.00000	.00000
2.493	4.060	.28450	.11060	.26000	.15990	-.01550	-.05760	-.00010	-.00480	.01660	-.00340
2.493	6.215	.28670	.11030	.26220	.16000	-.01790	-.09080	.00070	-.00790	.00850	.00400
	GRADIENT	.00016	-.00004	.00012	.00007	-.00005	-.01393	-.00008	-.00114	-.00026	-.00011

AMES 11B-1-87 OA145C 01 (R2H006) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 24/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	-6.261	.24890	.09730	.22780	.13960	-.01520	.09350	-.00130	.00910	.01930	-.00620
3.001	-4.164	.24700	.09790	.22590	.13980	-.01240	.05970	.00070	.00550	.01450	-.00550
3.001	-3.100	.24580	.09780	.22470	.13960	-.01160	.04420	.00090	.00400	.00500	-.00500
3.001	-2.048	.24460	.09740	.22370	.13890	-.01120	.02990	.00060	.00280	.00980	-.00570
3.001	-.994	.24320	.09700	.22240	.13820	-.01060	.01550	.00030	.00150	.02180	-.00380
3.001	.071	.24340	.09670	.22260	.13800	-.01070	.00100	-.00020	.00020	.02880	-.00670
3.001	1.123	.24490	.09670	.22390	.13850	-.01090	-.01280	-.00060	-.00110	.00710	-.00290
3.001	2.167	.24500	.09700	.22400	.13890	-.01120	-.02750	-.00090	-.00240	.03080	-.00380
3.001	3.203	.24590	.09720	.22470	.13940	-.01170	-.04210	-.00100	-.00370	.01430	-.00120
3.001	4.236	.24680	.09730	.22560	.13960	-.01240	-.05690	-.00070	-.00520	.03610	-.00490
3.001	6.376	.24810	.09700	.22690	.13950	-.01520	-.09140	.00180	-.00900	.02180	-.00380
3.001	10.611	.25300	.09580	.23190	.13940	-.02210	-.16000	.00280	-.01420	.02680	-.00880
	GRADIENT	.00003	-.00008	.00001	-.00002	-.00301	-.01377	-.00024	-.00125	.00224	.00029

RUN NO. 88/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.498	-6.536	.21240	.08560	.19460	.12070	-.01360	.09120	-.00220	.00940	.01450	-.01450
3.498	-4.438	.21010	.08600	.19230	.12070	-.01100	.05880	-.00080	.00590	.03110	-.01240
3.498	-2.336	.20830	.08550	.19060	.11980	-.00950	.02890	.00010	.00270	.02160	-.01190
3.498	-1.227	.20670	.08540	.18910	.11940	-.00900	.01380	.00030	.00130	.02590	-.01210
3.498	-.174	.20720	.08530	.18960	.11940	-.00890	-.00040	.00040	-.00020	.03540	-.01260
3.498	.910	.20850	.08540	.19080	.11990	-.00900	-.01410	.00040	-.00160	.03540	-.01260
3.498	2.008	.20930	.08580	.19150	.12050	-.00940	-.02910	.00050	-.00300	.03010	-.00790
3.498	3.055	.20990	.08650	.19190	.12130	-.00950	-.04320	.00040	-.00430	.02800	-.01000
3.498	4.127	.21210	.08650	.19400	.12180	-.01070	-.05930	.00130	-.00620	.02580	-.00780
3.498	6.293	.21260	.08610	.19450	.12150	-.01370	-.09170	.00250	-.00950	.02780	-.00570
	GRADIENT	.00027	.00009	.00023	.00017	.00003	-.01362	.00018	-.00137	.00004	.00054

AMES 118-1-87 OA145C 01 (R2H007) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPOBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 15/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
2.493	-6.604	.46860	.09860	.42560	.21960	-.02770	.08850	.00370	.00990	.03510	.00160
2.493	-4.476	.46530	.10170	.42160	.22160	-.02440	.05560	.00400	.00580	.03960	.00610
2.493	-3.402	.46540	.10220	.42150	.22210	-.02380	.04310	.00280	.00440	.02780	.00880
2.493	-2.331	.46460	.10180	.42090	.22140	-.02400	.02990	.00190	.00300	.03730	.00830
2.493	-1.253	.46410	.10200	.42040	.22150	-.02340	.01650	.00090	.00160	.03960	.00610
2.493	-.209	.46390	.10210	.42020	.22160	-.02320	.00280	.00000	.00010	.01610	.00260
2.493	.876	.46400	.10200	.42040	.22140	-.02360	-.01110	-.00080	-.00140	.03280	.00380
2.493	1.956	.46490	.10200	.42120	.22170	-.02400	-.02490	-.00160	-.00290	.02540	.00640
2.493	3.007	.46560	.10220	.42170	.22210	-.02410	-.03740	-.00250	-.00420	.02330	.00430
2.493	4.086	.46700	.10150	.42330	.22190	-.02500	-.05010	-.00380	-.00540	.01850	.00500
2.493	6.216	.46900	.09840	.42600	.21960	-.02820	-.08410	-.00330	-.00960	.03280	.00380
	GRADIENT	.00012	-.00001	.00012	.00003	-.00005	-.01249	-.00087	-.00133	-.00200	-.00037

RUN NO. 23/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	-6.307	.40990	.08900	.37250	.19280	-.02130	.08940	.00200	.01080	.01430	-.00470
3.001	-4.246	.40900	.09020	.37130	.19370	-.01910	.05800	.00270	.00680	.02870	-.00580
3.001	-3.178	.40820	.09090	.37040	.19420	-.01750	.04230	.00290	.00470	.00000	.00000
3.001	-2.116	.40880	.09140	.37080	.19490	-.01710	.03080	.00150	.00370	.01020	-.00530
3.001	-1.054	.40890	.09090	.37110	.19440	-.01710	.01730	.00070	.00220	.02870	-.00580
3.001	.008	.40870	.09130	.37070	.19480	-.01640	.00340	-.00010	.00030	.01240	-.00760
3.001	1.087	.40900	.09110	.37100	.19470	-.01700	-.01090	-.00100	-.00150	.02400	-.00600
3.001	2.137	.40920	.09140	.37110	.19510	-.01730	-.02450	-.00170	-.00300	.00970	-.00480
3.001	3.188	.40850	.09090	.37060	.19440	-.01800	-.03600	-.00300	-.00430	.02680	-.00880
3.001	4.258	.40910	.09010	.37140	.19380	-.01950	-.05280	-.00260	-.00630	.02130	-.00330
3.001	6.366	.40980	.08880	.37250	.19270	-.02170	-.08610	-.00170	-.01040	.00500	-.00500
3.001	10.507	.41160	.08900	.37410	.19330	-.02640	-.14920	-.00220	-.01690	.00980	-.00570
	GRADIENT	.00003	-.00000	.00002	.00003	-.00005	-.01281	-.00074	-.00131	.00071	-.00024

AMES 118-1-87 OA145C 01 (R2H007) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 151/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.498	-6.538	.36200	.07930	.32950	.16950	-.01620	.08670	.00160	.01090	.03090	-.00810
3.498	-4.413	.36040	.07930	.32790	.16910	-.01450	.05740	.00100	.00730	.04670	-.00230
3.498	-2.273	.35960	.07980	.32700	.16960	-.01290	.02850	.00120	.00320	.03010	.00110
3.498	-1.186	.35950	.07930	.32700	.16920	-.01300	.01520	.00080	.00150	.04230	-.00220
3.498	-.185	.35920	.07950	.32660	.16930	-.01260	.00200	.00040	-.00010	.03010	.00110
3.498	.970	.35880	.07950	.32630	.16920	-.01290	-.01090	-.00020	-.00160	.00430	-.00020
3.498	2.035	.35840	.07990	.32560	.16960	-.01250	-.02440	-.00060	-.00320	.01380	-.00070
3.498	3.103	.35840	.07950	.32570	.16910	-.01320	-.03770	-.00090	-.00500	.01820	-.00080
3.498	4.182	.35900	.07940	.32630	.16950	-.01410	-.05380	-.00050	-.00740	.01610	-.00290
3.498	6.302	.35880	.07940	.32600	.16970	-.01630	-.08230	-.00130	-.01080	.03960	.00060
	GRADIENT	-.00021	.00002	-.00023	.00003	.00005	-.01270	-.00026	-.00164	-.00400	-.00007

AMES 118-1-87 OA145C 01 (R2H008) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 3.250

RUN NO. 14/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
2.493	-6.620	.46830	.09820	.42500	.21970	-.02750	.08750	.00370	.00990	.01590	.00690
2.493	-4.514	.46610	.10130	.42220	.22190	-.02440	.05530	.00410	.00570	.03580	-.00320
2.493	-3.430	.46510	.10170	.42120	.22200	-.02370	.04240	.00290	.00430	.03780	-.00120
2.493	-2.349	.46480	.10160	.42090	.22180	-.02360	.02960	.00190	.00300	.03040	.00140
2.493	-1.293	.46460	.10160	.42070	.22180	-.02310	.01640	.00090	.00160	.02830	-.00070
2.493	-.215	.46420	.10190	.42030	.22200	-.02270	.00310	.00000	.00020	.02330	.00430
2.493	.871	.46450	.10170	.42060	.22170	-.02310	-.01090	-.00080	-.00140	.03280	.00380
2.493	1.960	.46530	.10170	.42130	.22200	-.02370	-.02490	-.00160	-.00280	.02820	.00370
2.493	3.033	.46650	.10210	.42240	.22280	-.02400	-.03770	-.00270	-.00410	.02820	.00370
2.493	4.109	.46700	.10140	.42300	.22230	-.02460	-.05010	-.00370	-.00540	.02540	.00640
2.493	6.241	.47000	.09810	.42670	.22010	-.02810	-.08450	-.00330	-.00950	.01870	.00420
	GRADIENT	.00013	.00003	.00012	.00007	-.00003	-.01234	-.00088	-.00130	-.00109	.00096

AMES 118-1-87 OA145C 01 (R2H009) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 4.000

RUN NO. 187 0 RN/L = 4.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
2.493	-6.679	.47420	.09850	.43030	.22240	-.02750	.08720	.00400	.00990	.02330	.00430
2.493	-4.543	.47070	.10170	.42620	.22430	-.02420	.05450	.00440	.00560	.03280	.00380
2.493	-3.461	.47000	.10240	.42530	.22470	-.02360	.04160	.00320	.00420	.02560	.00210
2.493	-2.376	.46970	.10210	.42520	.22430	-.02360	.02890	.00220	.00290	.04200	.00300
2.493	-1.289	.46900	.10220	.42440	.22420	-.02290	.01550	.00110	.00160	.01380	.00480
2.493	-.225	.46850	.10240	.42400	.22420	-.02250	.00200	.00010	.00010	.02980	.00620
2.493	2.002	.46930	.10220	.42470	.22420	-.02390	-.02600	-.00180	-.00280	.03890	.00540
2.493	4.134	.47090	.10160	.42640	.22420	-.02470	-.05080	-.00380	-.00540	.04630	.00280
2.493	6.267	.47410	.09830	.43030	.22210	-.02810	-.08460	-.00340	-.00960	.04150	.00350
	GRADIENT	-.00000	-.00002	.00000	-.00003	-.00007	-.01222	-.00093	-.00127	.00170	.00011

AMES 118-1-87 OA145C 01 (R2H010) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 31/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
2.493	-6.536	.64900	.08880	.57810	.30820	-.03940	.08080	.00860	.01050	.01470	-.00630
2.493	-4.400	.64830	.09050	.57700	.30930	-.03700	.04850	.00790	.00600	.01930	-.00620
2.493	-2.278	.64640	.09360	.57410	.31150	-.03430	.02400	.00500	.00260	.01930	-.00620
2.493	-1.212	.64710	.09390	.57460	.31210	-.03410	.01330	.00280	.00130	.02640	-.00910
2.493	-.137	.64940	.09410	.57650	.31340	-.03410	.00270	.00030	.00010	.03590	-.00960
2.493	.947	.65020	.09390	.57730	.31360	-.03430	-.00820	-.00230	-.00100	.01430	-.00120
2.493	2.005	.64990	.09350	.57730	.31280	-.03470	-.01910	-.00450	-.00220	.02400	-.00600
2.493	3.061	.65020	.09220	.57820	.31130	-.03560	-.03050	-.00650	-.00360	.02610	-.00390
2.493	4.092	.65040	.09100	.57910	.30990	-.03740	-.04340	-.00760	-.00540	.01420	-.00580
2.493	6.187	.65110	.08920	.58040	.30830	-.03980	-.07530	-.00810	-.00980	.02400	-.00600
	GRADIENT	.00042	-.00000	.00041	.00010	-.00007	-.01058	-.00195	-.00127	-.00023	.00031

AMES 11B-1-87 OA145C 01 (R2H010) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 25/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	-6.407	.58970	.08090	.52560	.27940	-.03040	.08500	.00670	.01130	.02180	-.00380
3.001	-4.290	.59000	.08170	.52540	.28050	-.02840	.05350	.00600	.00690	.00430	-.00020
3.001	-3.214	.58860	.08280	.52380	.28110	-.02690	.03910	.00530	.00490	.01450	-.00550
3.001	-2.194	.58920	.08370	.52380	.28250	-.02540	.02690	.00390	.00330	.00930	-.00520
3.001	-1.124	.58960	.08400	.52390	.28310	-.02540	.01530	.00200	.00170	.02190	-.00810
3.001	-.068	.59100	.08380	.52510	.28400	-.02580	.00390	-.00020	.00030	.01730	-.00830
3.001	1.024	.59170	.08380	.52560	.28450	-.02580	-.00770	-.00230	-.00110	.01380	-.00070
3.001	2.081	.58940	.08350	.52370	.28310	-.02580	-.01940	-.00410	-.00250	.01660	-.00340
3.001	3.153	.58930	.08220	.52410	.28170	-.02750	-.03250	-.00550	-.00410	.00710	-.00290
3.001	4.215	.59040	.08160	.52540	.28140	-.02920	-.04740	-.00600	-.00620	.02610	-.00390
3.001	6.309	.59000	.08030	.52550	.28010	-.03120	-.07930	-.00620	-.01070	.01180	-.00280
3.001	10.520	.59000	.08100	.52520	.28070	-.03300	-.14180	-.00790	-.01900	.01660	-.00340
	GRADIENT	.00010	-.00004	.00004	.00012	-.00010	-.01150	-.00158	-.00147	.00112	.00007

RUN NO. 152/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.498	-6.474	.52410	.07310	.46890	.24530	-.02240	.08160	.00580	.01100	.03510	-.00390
3.498	-4.365	.52750	.07320	.47160	.24740	-.02100	.05460	.00440	.00710	.04670	-.00230
3.498	-2.213	.52650	.07430	.47010	.24830	-.01830	.02680	.00330	.00310	.05620	-.00280
3.498	-1.151	.52700	.07470	.47040	.24900	-.01780	.01580	.00170	.00170	.03010	.00110
3.498	-.062	.52890	.07470	.47200	.25010	-.01780	.00310	.00030	.00000	.04460	-.00440
3.498	1.049	.52900	.07490	.47190	.25060	-.01770	-.00890	-.00110	-.00160	.04670	-.00230
3.498	2.097	.52850	.07480	.47160	.25000	-.01820	-.02030	-.00260	-.00290	-.00250	.00250
3.498	3.144	.52860	.07440	.47190	.24950	-.01970	-.03360	-.00340	-.00480	.00430	-.00020
3.498	4.226	.52910	.07400	.47240	.24950	-.02120	-.04810	-.00400	-.00690	.03960	.00060
3.498	6.273	.52810	.07340	.47160	.24870	-.02310	-.07580	-.00550	-.01060	.02800	-.00100
	GRADIENT	.00026	.00008	.00017	.00026	-.00005	-.01169	-.00108	-.00157	-.00402	.00039

AMES [illegible]-87 OA145C 01 (R2H011) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 28/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
2.493	.449	-.02770	.12860	-.02870	.12830	.00190	-.03840	.00250	-.00230	.03080	-.00380
2.493	2.102	.02020	.12620	.01560	.12680	-.00070	-.03370	.00160	-.00180	.00740	-.00260
2.493	2.603	.03550	.12520	.02980	.12670	-.00210	-.03350	.00140	-.00190	.01420	-.00030
2.493	5.065	.11080	.12040	.09980	.12970	-.00720	-.03150	.00060	-.00180	.00680	.00230
2.493	7.663	.19280	.11550	.17570	.14020	-.01160	-.03050	.00040	-.00180	.02880	-.00120
2.493	10.286	.28100	.11010	.25680	.15850	-.01510	-.02840	-.00010	-.00240	.02430	-.00570
2.493	12.363	.35230	.10610	.32140	.17910	-.01840	-.02700	-.00020	-.00280	.03140	-.00860
2.493	14.359	.42270	.10350	.38380	.20510	-.02180	-.02500	-.00080	-.00290	.01240	-.00760
2.493	15.381	.45940	.10200	.41590	.22020	-.02350	-.02480	-.00130	-.00290	.01690	-.00310
2.493	16.347	.49540	.10060	.44700	.23600	-.02540	-.02330	-.00190	-.00270	.00470	.00020
2.493	18.393	.57280	.09740	.51280	.27320	-.02970	-.02100	-.00330	-.00250	.01920	-.00530
2.493	20.491	.65510	.09320	.58110	.31660	-.03490	-.01890	-.00460	-.00230	.00740	-.00260
2.493	22.876	.75110	.08870	.65760	.37370	-.04130	-.01730	-.00580	-.00220	.00970	-.00480
2.493	25.624	.86800	.08280	.74680	.45010	-.05150	-.01720	-.00630	-.00200	.01180	-.00280
	GRADIENT	.02924	-.00155	.02706	-.00078	-.00179	.00242	-.00052	.00021	-.00932	.00140

RUN NO. 26/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	.411	-.03360	.11530	-.03440	.11510	-.00560	-.03700	.00130	-.00180	.02030	-.01070
3.001	1.923	.00570	.11290	.00190	.11300	-.00560	-.03470	.00070	-.00160	.02400	-.00600
3.001	3.948	.05970	.10830	.05210	.11210	-.00670	-.03090	-.00040	-.00150	.01230	-.00330
3.001	5.979	.11720	.10390	.10580	.11550	-.00780	-.03010	-.00060	-.00180	.02610	-.00390
3.001	8.028	.17900	.10030	.16320	.12430	-.00960	-.02900	-.00090	-.00190	.00710	-.00290
3.001	10.090	.24300	.09730	.22220	.13840	-.01120	-.02820	-.00090	-.00250	.03400	-.00700
3.001	12.178	.30930	.09460	.28230	.15770	-.01340	-.02770	-.00100	-.00280	.02260	-.01290
3.001	14.087	.37220	.09260	.33850	.18040	-.01560	-.02510	-.00190	-.00280	.01520	-.01030
3.001	15.147	.40870	.09110	.37070	.19470	-.01750	-.02510	-.00170	-.00310	.03400	-.00700
3.001	16.099	.44090	.08960	.39870	.20830	-.01880	-.02360	-.00200	-.00300	.00980	-.00570
3.001	18.142	.51230	.08690	.45970	.24210	-.02190	-.02220	-.00290	-.00290	.01950	-.01050
3.001	20.243	.58910	.08390	.52370	.28260	-.02600	-.02040	-.00400	-.00260	.02190	-.00810
3.001	22.219	.66510	.08090	.58510	.32640	-.03030	-.01850	-.00500	-.00200	.00780	-.00780
3.001	26.329	.83280	.07510	.71310	.43670	-.04120	-.01740	-.00610	-.00170	.00780	-.00780
3.001	29.557	.96880	.06980	.80830	.53860	-.04960	-.01750	-.00590	-.00220	.01450	-.00550
	GRADIENT	.02639	-.00199	.02447	-.00083	-.00032	.00173	-.00048	.00008	-.00245	.00205

AMES 118-1-87 OA145C 01 (R2H011) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 86/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.498	.077	-.04240	.10340	-.04250	.10340	-.01010	-.03730	.00230	-.00160	.02510	-.00290
3.498	2.252	.00790	.09930	.00390	.09950	-.00860	-.03460	.00190	-.00190	.02270	-.00530
3.498	8.729	.17700	.08720	.16170	.11300	-.00890	-.02930	.00050	-.00280	.02580	-.00780
3.498	9.877	.21000	.08570	.19220	.12050	-.00930	-.02890	.00050	-.00300	.01190	-.00710
3.498	11.899	.26850	.08380	.24540	.13740	-.01020	-.02760	.00010	-.00320	.02900	-.01450
3.498	13.874	.32980	.08200	.30050	.15870	-.01130	-.02520	-.00080	-.00310	.04490	-.01310
3.498	14.910	.36200	.08090	.32890	.17140	-.01220	-.02470	-.00070	-.00330	.04350	-.01650
3.498	15.874	.39240	.07960	.35570	.18390	-.01320	-.02280	-.00100	-.00310	.04540	-.01360
3.498	17.922	.45870	.07730	.41260	.21470	-.01530	-.02170	-.00180	-.00310	.03590	-.01310
3.498	19.999	.53110	.07460	.47360	.25180	-.01780	-.02020	-.00270	-.00290	.04030	-.01330
3.498	22.477	.62230	.07190	.54750	.30430	-.02140	-.01840	-.00380	-.00260	.01690	-.01210
3.498	25.146	.72570	.06900	.62760	.37080	-.02620	-.01620	-.00480	-.00240	.01150	-.01230
	GRADIENT	.02312	-.00188	.02132	-.00179	.00069	.00124	-.00018	-.00014	-.00110	-.00110

AMES 118-1-87 OA145C 01 (R2H012) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 5.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 41/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.182	-.02930	.11490	-.02970	.11480	-.01270	-.00050	-.00010	-.00020	5.02620	-.01460
3.000	1.965	.01710	.11260	.01320	.11310	-.01310	.00070	-.00010	-.00010	5.02890	-.01730
3.000	6.010	.12870	.10540	.11700	.11830	-.01620	.00030	-.00010	-.00010	5.02390	-.01690
3.000	8.005	.18940	.10210	.17330	.12750	-.01800	.00030	-.00010	.00000	5.00910	-.01150
3.000	10.062	.25380	.09850	.23270	.14140	-.02050	.00070	-.00010	.00010	5.01180	-.01420
3.000	12.123	.31950	.09610	.29220	.16110	-.02350	.00150	-.00010	.00020	5.01180	-.01420
3.000	14.119	.38550	.09390	.35090	.18510	-.02690	.00220	-.00010	.00030	5.02890	-.01730
3.000	15.155	.41960	.09320	.38060	.19960	-.02850	.00280	-.00010	.00030	5.01920	-.01690
3.000	16.146	.45530	.09210	.41170	.21510	-.03080	.00340	-.00010	.00040	5.01420	-.01660
3.000	18.170	.52880	.08970	.47440	.25010	-.03540	.00320	.00000	.00040	5.00950	-.01660
3.000	20.229	.60640	.08770	.53860	.29190	-.04070	.00290	.00010	.00030	5.01920	-.01690
3.000	22.213	.68440	.08550	.60130	.33790	-.04600	.00280	.00000	.00040	5.00910	-.01150
3.000	26.328	.85490	.08040	.73060	.45120	-.05920	.00240	.00020	.00040	5.00990	-.02160
3.000	29.806	1.00600	.07610	.83510	.56610	-.07080	.00310	.00020	.00050	5.01650	-.01420
	GRADIENT	.02603	-.00129	.02407	-.00095	-.00022	.00067	-.00000	.00006	.00151	-.00151

AMES 118-1-87 OA145C 01 (R2H013) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 40/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.182	-.01940	.11690	-.01970	.11690	-.02060	-.00050	-.00010	-.00020	10.01900	-.00200
3.000	2.411	.03980	.11460	.03500	.11620	-.02180	.00010	.00000	-.00020	10.02600	-.00410
3.000	4.933	.10890	.11090	.09890	.11990	-.02410	-.00040	.00000	-.00020	10.01600	-.00440
3.000	10.065	.26820	.10260	.24620	.14790	-.03210	.00070	.00000	.00000	10.01400	-.01170
3.000	12.117	.33520	.10070	.30660	.16880	-.03600	.00110	.00000	.00010	10.00300	-.00910
3.000	14.124	.40240	.09910	.36610	.19430	-.04050	.00190	.00000	.00020	10.01200	-.00930
3.000	15.160	.43880	.09820	.39780	.20960	-.04280	.00270	.00000	.00020	10.01400	-.00230
3.000	16.146	.47360	.09740	.42780	.22530	-.04550	.00330	.00000	.00020	10.00900	-.00710
3.000	18.170	.54900	.09620	.49160	.26260	-.05180	.00300	.00010	.00020	10.00900	-.00710
3.000	20.226	.62760	.09430	.55630	.30550	-.05840	.00280	.00010	.00020	10.00100	-.01180
3.000	22.628	.72470	.09270	.63320	.36440	-.06660	.00250	.00020	.00020	10.01400	-.00640
3.000	25.394	.84140	.09020	.72150	.44230	-.07740	.00200	.00030	.00020	10.00700	-.01850
	GRADIENT	.02701	-.00127	.02497	.00065	-.00074	.00002	.00002	.00000	-.00070	-.00050

RUN NO. 186/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.498	4.792	.08940	.09660	.08100	.10380	-.02260	-.00070	.00040	-.00020	10.01600	-.00510
3.498	7.315	.16000	.09260	.14700	.11220	-.02520	-.00030	.00040	-.00020	10.03000	-.00530
3.498	9.766	.23070	.09030	.21200	.12820	-.02770	-.00010	.00040	-.00010	10.03000	-.00530
3.498	11.811	.29270	.08890	.26830	.14690	-.03080	.00070	.00030	-.00010	10.02100	-.00510
3.498	13.830	.35660	.08740	.32540	.17010	-.03480	.00110	.00050	-.00010	10.01600	-.00510
3.498	14.856	.38930	.08660	.35400	.18350	-.03680	.00180	.00040	-.00010	10.03200	-.00330
3.498	15.885	.42350	.08580	.38380	.19850	-.03900	.00230	.00040	.00000	9.98940	-.00470
3.498	17.854	.49130	.08480	.44160	.23140	-.04330	.00300	.00040	.00000	10.01900	-.00750
3.498	19.953	.56780	.08390	.50500	.27260	-.04840	.00320	.00030	-.00010	10.01600	-.00510
3.498	22.428	.66330	.08230	.58170	.32910	-.05500	.00290	.00030	-.00010	10.02800	-.00770
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (R2H014) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 20.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 39/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.181	.00510	.12700	.00470	.12700	-.04070	-.00060	.00000	-.00010	20.01900	-.01920
3.000	2.440	.06740	.12630	.06200	.12910	-.04450	.00030	.00000	-.00010	20.01600	-.01690
3.000	4.954	.13960	.12420	.12840	.13580	-.04940	-.00040	.00000	-.00010	20.00700	-.02670
3.000	7.465	.21940	.12150	.20180	.14900	-.05610	-.00020	.00000	.00000	20.02600	-.02680
3.000	10.066	.30540	.12030	.27970	.17180	-.06350	.00020	.00000	.00010	20.00100	-.02650
3.000	12.139	.37720	.12040	.34350	.19700	-.07060	.00070	.00000	.00030	20.03100	-.01670
3.000	14.123	.44970	.12060	.40660	.22670	-.07810	.00130	.00000	.00040	20.01400	-.01940
3.000	15.156	.48560	.12080	.43720	.24360	-.08160	.00170	.00000	.00040	20.01100	-.01670
3.000	16.146	.52280	.12040	.46870	.26100	-.08600	.00200	.00010	.00040	20.03400	-.01940
3.000	18.177	.60050	.12100	.53280	.30230	-.09530	.00260	.00010	.00050	20.01100	-.02180
3.000	20.228	.68250	.12160	.59830	.35010	-.10480	.00240	.00020	.00040	20.02600	-.01690
3.000	22.618	.78280	.12290	.67540	.41450	-.11670	.00200	.00020	.00040	20.03600	-.02200
3.000	25.389	.90460	.12350	.76430	.49950	-.13140	.00210	.00030	.00030	20.00300	-.01380
	GRADIENT	.02819	-.00059	.02593	.00186	-.00183	.00004	.00000	.00000	-.00253	-.00162

AMES 118-1-87 OA145C 01 (R2H015) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-5.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 457 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	.188	-.04780	.11460	-.04810	.11450	.00130	-.00080	-.00010	-.00010	-4.93310	-.00130
3.001	1.871	-.00430	.11250	-.00790	.11230	.00130	.00040	-.00020	.00000	-4.96110	.00800
3.001	3.991	.05030	.10910	.04250	.11240	.00110	-.00020	-.00010	.00000	-4.92620	.01050
3.001	6.076	.11020	.10380	.09860	.11490	-.00060	.00020	-.00020	.00010	-4.94970	-.01270
3.001	8.063	.16900	.10010	.15330	.12280	-.00110	.00050	-.00010	.00010	-4.95250	-.00990
3.001	10.101	.23110	.09640	.21070	.13540	-.00230	.00090	-.00020	.00020	-4.96520	-.00650
3.001	12.167	.29630	.09350	.27000	.15390	-.00400	.00150	-.00010	.00030	-4.94040	-.00340
3.001	14.173	.35960	.09100	.32640	.17630	-.00570	.00230	-.00010	.00040	-4.94380	.00930
3.001	15.211	.39360	.08970	.35630	.18980	-.00640	.00310	-.00010	.00040	-4.93650	.01140
3.001	16.191	.42870	.08810	.38710	.20410	-.00780	.00350	.00000	.00050	-4.92580	.00070
3.001	18.229	.50070	.08500	.44900	.23740	-.01080	.00320	.00000	.00040	-4.94450	-.01800
3.001	20.282	.57590	.08230	.51170	.27680	-.01410	.00300	.00000	.00050	-4.94240	-.01070
3.001	22.267	.65150	.07930	.57290	.32020	-.01720	.00300	.00000	.00050	-4.96420	-.02160
3.001	26.348	.81470	.07240	.69800	.42640	-.02610	.00220	.00030	.00050	-4.94900	.01460
3.001	29.798	.95950	.06680	.79950	.53480	-.03280	.00300	.00020	.00070	-4.94840	.00470
	GRADIENT	.02579	-.00145	.02382	-.00053	-.00005	.00014	.00000	.00003	.00244	.00302

AMES 118-1-87 OA145C 01 (R2H016) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 46/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	.189	-.05650	.11580	-.05690	.11560	.00760	-.00090	-.00010	-.00010	-9.94610	.00640
3.001	2.462	.00150	.11250	-.00330	.11250	.00710	-.00020	-.00010	.00000	-9.92580	.00600
3.001	5.024	.07110	.10720	.06140	.11300	.00650	-.00020	-.00010	.00000	-9.92820	.00840
3.001	7.613	.14640	.10160	.13170	.12010	.00530	.00060	-.00020	.00010	-9.96100	.00650
3.001	10.117	.22220	.09660	.20170	.13410	.00460	.00080	-.00010	.00020	-9.94350	.00900
3.001	12.158	.28610	.09360	.26000	.15170	.00330	.00150	-.00010	.00030	-9.95090	.00640
3.001	14.171	.34890	.09090	.31600	.17350	.00200	.00240	-.00010	.00030	-9.93830	.00380
3.001	15.226	.38330	.08960	.34630	.18710	.00150	.00300	-.00010	.00040	-9.94610	.00640
3.001	16.195	.41700	.08800	.37590	.20080	.00040	.00340	.00000	.00040	-9.94610	.00160
3.001	18.219	.48920	.08520	.43810	.23390	-.00210	.00330	.00000	.00050	-9.93830	.00380
3.001	20.285	.56380	.08240	.50020	.27270	-.00470	.00300	.00000	.00050	-9.93600	.00620
3.001	22.765	.65720	.07820	.57570	.36640	-.00820	.00270	.00000	.00050	-9.95630	.00180
3.001	25.372	.76060	.07300	.65600	.39190	-.01280	.00150	.00010	.00050	-9.96150	.00700
	GRADIENT	.02551	-.00145	.02358	-.00136	-.00022	.00031	.00000	.00004	.00893	-.00018

RUN NO. 185/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.498	4.799	.05780	.09380	.04980	.09830	.00140	-.00050	.00030	-.00020	-9.94110	.00660
3.498	7.311	.12510	.08870	.11280	.10390	.00130	-.00040	.00030	-.00020	-9.93610	.01160
3.498	9.751	.19160	.08530	.17430	.11650	.00200	-.00010	.00040	-.00010	-9.95650	.01200
3.498	11.805	.25010	.08280	.22780	.13220	.00200	.00070	.00030	-.00010	-9.94630	.01180
3.498	13.823	.30900	.08050	.28080	.15190	.00180	.00150	.00040	-.00010	-9.93610	.01160
3.498	14.872	.33970	.07900	.30800	.16360	.00170	.00220	.00040	-.00010	-9.94630	.01180
3.498	15.854	.37030	.07790	.33490	.17610	.00130	.00280	.00040	.00000	-9.95130	.00680
3.498	17.853	.43400	.07560	.38990	.20500	.00050	.00320	.00030	.00000	-9.94870	.00940
3.498	19.909	.50580	.07360	.45050	.24140	-.00020	.00320	.00030	.00010	-9.95880	.00960
3.498	22.444	.59610	.06990	.52430	.29220	-.00160	.00280	.00020	.00010	-9.94390	.00940
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (R2H017) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -20.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 47/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	.180	-.07600	.12230	-.07640	.12210	.02070	-.00050	-.00010	-.00010	-19.97600	.03330
3.001	2.531	-.01430	.11820	-.01950	.11740	.01930	.00000	-.00010	.00000	-19.97600	.03330
3.001	5.058	.05620	.11220	.04610	.11670	.01740	-.00010	-.00010	.00000	-19.98100	.03310
3.001	7.325	.12200	.10630	.10740	.12100	.01630	.00080	-.00020	.00010	-19.97800	.03580
3.001	10.092	.20590	.10030	.18520	.13490	.01550	.00100	-.00010	.00020	-19.98100	.02810
3.001	12.152	.26930	.09660	.24300	.15120	.01480	.00180	-.00010	.00020	-19.98100	.03320
3.001	14.166	.33270	.09360	.29970	.17210	.01350	.00270	-.00010	.00030	-19.97800	.03080
3.001	15.201	.36630	.09220	.32930	.18500	.01310	.00330	-.00010	.00040	-19.97100	.03360
3.001	16.201	.40070	.09110	.35940	.19930	.01240	.00330	-.00010	.00040	-19.97600	.01340
3.001	18.233	.47220	.08870	.42070	.23200	.01050	.00340	.00000	.00040	-19.94900	.02170
3.001	20.272	.54550	.08560	.48200	.26930	.00830	.00310	.00000	.00040	-19.94900	.02170
3.001	22.758	.63780	.08150	.55660	.32190	.00580	.00290	-.00010	.00050	-19.94100	.02440
3.001	25.347	.73860	.07640	.63480	.38530	.00210	.00260	.00000	.00060	-19.97400	.02080
	GRADIENT	.02624	-.00174	.02420	-.00200	-.00060	.00021	.00000	.00004	.00000	.00000

AMES 118-1-87 OA145C 01 (R2H018) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-35.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 48/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	.183	-.09920	.13320	-.09960	.13290	.03220	-.00050	-.00010	-.00010	-34.97800	.01380
3.001	2.546	-.03420	.12860	-.03990	.12690	.02940	.00020	-.00020	-.00010	-34.97000	.01150
3.001	5.026	.03580	.12250	.02490	.12520	.02790	.00000	-.00020	.00000	-34.97000	.01170
3.001	7.610	.11380	.11550	.09750	.12950	.02570	.00050	-.00020	.00000	-34.95400	.01750
3.001	10.092	.18950	.11100	.16710	.14250	.02540	.00100	-.00020	.00020	-34.97800	.01380
3.001	12.144	.25050	.10790	.22220	.15820	.02600	.00190	-.00020	.00020	-34.95100	.01490
3.001	14.159	.31430	.10440	.27930	.17810	.02480	.00260	-.00010	.00030	-34.95400	.01750
3.001	15.197	.34830	.10250	.30930	.19020	.02410	.00300	-.00010	.00030	-34.95900	.01200
3.001	16.189	.38230	.10030	.33920	.20290	.02330	.00300	.00000	.00030	-34.94900	.01250
3.001	18.203	.45420	.09560	.40170	.23270	.02080	.00380	-.00030	.00030	-34.94900	.01220
3.001	20.276	.52850	.09200	.46390	.26950	.01870	.00320	-.00010	.00030	-34.94900	.01220
3.001	22.801	.62240	.08840	.53950	.32260	.01640	.00310	.00000	.00040	-34.97000	.01150
3.001	25.519	.72840	.08310	.62160	.38880	.01280	.00280	.00000	.00050	-34.97000	.00620
	GRADIENT	.02750	-.00195	.02526	-.00254	-.00118	.00030	-.00004	.00000	.00339	-.00097

AMES 118-1-87 OA145C 01 (R2H019) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 38/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
3.000	-14.961	.21510	.09770	.19450	.13400	.01020	.00120	-.00010	.00000	.00600
3.000	-12.946	.21880	.09680	.19840	.13380	.00790	.00120	-.00010	.00010	.00200
3.000	-9.926	.22390	.09630	.20350	.13420	.00420	.00120	-.00010	.00010	.00630
3.000	-7.940	.22750	.09620	.20700	.13470	.00150	.00120	-.00010	.00010	.00500
3.000	-4.945	.23290	.09590	.21240	.13540	-.00280	.00110	-.00010	.00010	-.00310
3.000	-3.921	.23510	.09590	.21460	.13570	-.00430	.00110	-.00010	.00010	.00570
3.000	-1.934	.23930	.09620	.21870	.13680	-.00740	.00110	-.00010	.00010	.00360
3.000	.040	.24390	.09640	.22320	.13770	-.01080	.00110	-.00010	.00010	-.00460
3.000	2.023	.24790	.09690	.22700	.13900	-.01440	.00090	.00000	.00010	.00680
3.000	4.024	.25320	.09760	.23210	.14070	-.01840	.00070	.00000	.00010	-.01060
3.000	5.026	.25600	.09820	.23480	.14170	-.02050	.00090	-.00010	.00010	-.00960
3.000	8.016	.26470	.10050	.24290	.14550	-.02730	.00070	-.00010	.00010	-.01510
3.000	10.024	.27090	.10270	.24860	.14870	-.03230	.00070	.00000	.00010	-.01200
	GRADIENT	.00224	.00018	.00217	.00058	-.00173	-.00004	.00001	-.00000	-.00074

AMES 118-1-87 OA145C 01 (R2H020) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 32/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
2.493	-14.938	.42100	.10200	.37910	.20960	.00750	.00220	.00010	.00010	.00830
2.493	-12.961	.42580	.10160	.38380	.21050	.00410	.00240	.00010	.00010	.00240
2.493	-9.941	.43320	.10090	.39120	.21180	-.00100	.00240	.00010	.00010	-.00760
2.493	-7.960	.43840	.10080	.39620	.21310	-.00470	.00240	.00000	.00010	.00550
2.493	-4.920	.44650	.10080	.40400	.21530	-.01090	.00250	.00010	.00010	.00010
2.493	-3.946	.44970	.10110	.40700	.21630	-.01310	.00240	.00010	.00010	.00090
2.493	-1.958	.45540	.10160	.41230	.21840	-.01770	.00230	.00010	.00010	.00820
2.493	.028	.46200	.10260	.41840	.22110	-.02270	.00230	.00010	.00010	.00300
2.493	2.008	.46880	.10350	.42480	.22370	-.02830	.00210	.00010	.00010	.01190
2.493	4.015	.47560	.10470	.43100	.22670	-.03370	.00200	.00010	.00010	-.00130
2.493	5.036	.47920	.10560	.43420	.22850	-.03660	.00200	.00010	.00010	-.01030
2.493	8.028	.49110	.10910	.44480	.23500	-.04590	.00210	.00010	.00010	-.01930
2.493	10.016	.49060	.11170	.45140	.23950	-.05240	.00210	.00020	.00010	-.00510
	GRADIENT	.00325	.00043	.00302	.00127	-.00256	-.00005	-.00000	-.00000	.00028

RUN NO. 33/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
3.000	-14.966	.37030	.09070	.33380	.18420	.00800	.00330	-.00010	.00020	.00580
3.000	-12.964	.37380	.08990	.33740	.18430	.00560	.00320	.00000	.00030	.00520
3.000	-9.946	.37940	.08930	.34300	.18520	.00160	.00320	.00000	.00030	.00200
3.000	-7.935	.38350	.08900	.34690	.18610	-.00150	.00340	.00000	.00030	.00420
3.000	-4.933	.39030	.08910	.35350	.18790	-.00640	.00320	-.00010	.00030	-.00170
3.000	-3.938	.39280	.08910	.35590	.18860	-.00830	.00310	.00000	.00030	-.00140
3.000	-1.958	.39780	.08950	.36060	.19030	-.01200	.00340	.00000	.00030	.00380
3.000	.041	.40300	.09030	.36540	.19240	-.01610	.00330	.00000	.00030	-.00480
3.000	2.023	.40850	.09140	.37050	.19490	-.02070	.00330	.00000	.00030	.00680
3.000	4.001	.41530	.09230	.37680	.19760	-.02560	.00330	.00000	.00030	-.00670
3.000	5.002	.41840	.09290	.37960	.19890	-.02810	.00310	.00000	.00030	-.00880
3.000	8.018	.42960	.09570	.38970	.20450	-.03640	.00300	.00000	.00030	-.01190
3.000	10.026	.43770	.09820	.39680	.20910	-.04250	.00290	.00000	.00030	-.00870
	GRADIENT	.00275	.00037	.00256	.00108	-.00213	.00002	.00001	-.00000	-.00017

AMES 11B-1-87 OA145C 01 (R2H020) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 84/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
3.498	-14.935	.32800	.08060	.29670	.16140	.00750	.00140	.00030	-.00020	.01140
3.498	-12.951	.33040	.08000	.29920	.16140	.00550	.00150	.00040	-.00020	-.00270
3.498	-9.941	.33520	.07960	.30390	.16230	.00240	.00120	.00040	-.00020	.01160
3.498	-7.942	.33850	.07930	.30710	.16290	.00000	.00120	.00040	-.00020	.00710
3.498	-4.943	.34430	.07940	.31280	.16440	-.00390	.00140	.00040	-.00010	.00420
3.498	-3.932	.34620	.07930	.31460	.16490	-.00550	.00120	.00040	-.00010	.00590
3.498	-1.925	.35010	.07960	.31830	.16610	-.00850	.00100	.00040	-.00010	-.00050
3.498	.029	.35450	.08020	.32240	.16780	-.01200	.00110	.00040	-.00010	-.00630
3.498	2.043	.35950	.08080	.32710	.16970	-.01590	.00100	.00040	-.00010	.01170
3.498	4.024	.36520	.08170	.33230	.17200	-.02020	.00110	.00040	-.00010	-.00530
3.498	5.039	.36800	.08230	.33490	.17330	-.02250	.00100	.00040	-.00010	-.01770
3.498	8.028	.37820	.08460	.34420	.17820	-.03020	.00090	.00040	-.00010	-.00170
J8	10.019	.38540	.08690	.35050	.18220	-.03580	.00090	.00040	-.00020	-.01140
	GRADIENT	.00231	.00026	.00216	.00084	-.00180	-.00003	-.00000	.00000	-.00055

AMES 118-1-87 OA145C 01 (R2H021) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 37/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
3.000	-14.945	.54980	.08330	.48700	.26840	.00280	.00280	.00010	.00030	.01130
3.000	-12.959	.55400	.08250	.49120	.26920	-.00020	.00300	.00010	.00030	.00500
3.000	-9.943	.56060	.08180	.49770	.27080	-.00490	.00300	.00010	.00040	.00380
3.000	-7.937	.56520	.08180	.50200	.27230	-.00830	.00310	.00010	.00040	.00180
3.000	-4.935	.57310	.08210	.50930	.27540	-.01410	.00300	.00010	.00030	-.00370
3.000	-3.943	.57580	.08220	.51180	.27640	-.01620	.00300	.00010	.00030	-.00090
3.000	-1.942	.58120	.08290	.51650	.27890	-.02060	.00320	.00000	.00030	.00570
3.000	.015	.58800	.08370	.52270	.28200	-.02560	.00310	.00000	.00040	.00190
3.000	2.023	.59450	.08470	.52850	.28520	-.03110	.00300	.00010	.00030	.00690
3.000	4.017	.60230	.08640	.53510	.28960	-.03710	.00290	.00010	.00040	-.00390
3.000	5.011	.60640	.08730	.53870	.29180	-.04030	.00300	.00010	.00040	-.00880
3.000	8.036	.61950	.09110	.54960	.29990	-.05090	.00270	.00020	.00040	-.02130
3.000	10.019	.62870	.09450	.55710	.30630	-.05840	.00280	.00010	.00030	-.01170
	GRADIENT	.00324	.00047	.00288	.00157	-.00256	-.00001	.00000	.00001	.00023

AMES 118-1-87 OA145C 01 (R2H022) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 93/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.247	.27760	.10330	.25500	.15080	-.03680	.09300	-.00160	.01010	10.01400	-.00710
3.000	-4.169	.27410	.10360	.25150	.15040	-.03390	.05930	.00050	.00610	10.03200	-.00740
3.000	-2.037	.27120	.10330	.24880	.14950	-.03260	.02970	.00050	.00310	10.03000	-.00530
3.000	-.984	.27020	.10310	.24780	.14900	-.03210	.01540	.00020	.00160	10.02600	-.00480
3.000	.089	.27030	.10260	.24790	.14870	-.03200	.00100	-.00020	.00010	10.05300	-.00520
3.000	1.131	.27200	.10280	.24950	.14940	-.03240	-.01320	-.00050	-.00130	10.03200	-.00740
3.000	2.175	.27200	.10300	.24940	.14970	-.03280	-.02790	-.00070	-.00280	10.03200	-.00740
3.000	3.212	.27290	.10320	.25020	.15020	-.03320	-.04210	-.00090	-.00430	10.04400	-.00510
3.000	4.242	.27410	.10340	.25140	.15050	-.03390	-.05710	-.00050	-.00600	10.02300	-.00730
3.000	6.401	.27630	.10280	.25360	.15040	-.03700	-.09200	.00200	-.01010	10.03200	-.00740
	GRADIENT	.00011	-.00003	.00008	.00005	-.00003	-.01378	-.00018	-.00142	.00009	-.00006

AMES 118-1-87 OA145C 01 (R2H023) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 92/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.344	.44280	.09650	.40230	.20870	-.04740	.08890	.00200	.01180	10.02100	-.00510
3.000	-4.241	.44220	.09790	.40130	.20990	-.04530	.05670	.00280	.00740	10.00700	-.00500
3.000	-2.096	.44210	.09880	.40100	.21080	-.04370	.02980	.00150	.00390	10.03500	-.00500
3.000	-1.075	.44240	.09860	.40130	.21070	-.04360	.01730	.00080	.00230	10.03500	-.00500
3.000	-.013	.44170	.09870	.40060	.21060	-.04280	.00330	-.00010	.00030	10.00700	-.00500
3.000	1.058	.44230	.09880	.40120	.21100	-.04340	-.01040	-.00090	-.00180	10.02300	-.00730
3.000	2.115	.44260	.09920	.40130	.21140	-.04380	-.02430	-.00160	-.00350	10.03200	-.00740
3.000	3.164	.44170	.09890	.40040	.21090	-.04410	-.03560	-.00290	-.00490	10.03900	-.00540
3.000	4.232	.44260	.09810	.40150	.21040	-.04550	-.05210	-.00260	-.00710	10.06200	-.00540
3.000	6.364	.44280	.09680	.40210	.20920	-.04780	-.08550	-.00160	-.01160	10.01400	-.00710
	GRADIENT	.00002	.00005	-.00001	.00008	-.00002	-.01274	-.00070	-.00171	.00435	-.00015

AMES 118-1-87 OA145C 01 (R2H024) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 89/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.371	.62850	.09140	.55850	.30250	-.06230	.08260	.00650	.01220	10.01900	-.00680
3.000	-4.257	.62870	.09240	.55810	.30380	-.06070	.05150	.00590	.00760	10.02800	-.00730
3.000	-2.183	.62850	.09450	.55690	.30620	-.05810	.02570	.00390	.00350	10.00100	-.00690
3.000	-1.117	.62900	.09460	.55720	.30670	-.05820	.01440	.00210	.00190	10.00800	-.00460
3.000	-.068	.63100	.09430	.55890	.30770	-.05840	.00320	.00000	.00030	10.03500	-.00940
3.000	1.018	.63100	.09450	.55870	.30810	-.05840	-.00790	-.00220	-.00130	10.01500	-.00260
3.000	2.096	.62860	.09420	.55670	.30670	-.05820	-.01970	-.00390	-.00300	9.99460	-.00020
3.000	3.143	.62890	.09310	.55740	.30580	-.05970	-.03240	-.00520	-.00480	10.01700	-.00020
3.000	4.206	.62900	.09220	.55790	.30490	-.06120	-.04670	-.00580	-.00700	10.03100	-.00480
3.000	6.332	.62860	.09110	.55790	.30360	-.06290	-.07960	-.00600	-.01190	10.01900	-.00260
	GRADIENT	.00004	-.00007	-.00002	.00010	-.00008	-.01131	-.00152	-.00166	.00016	.00073

AMES 118-1-87 OA145C 01 (R2H025) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 94/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.264	.22900	.09700	.20830	.13590	.00000	.09380	-.00180	.00820	-9.93580	-.00400
3.000	-2.042	.22430	.09720	.20370	.13520	.00380	.03000	.00050	.00240	-9.93580	-.00400
3.000	-.989	.22300	.09690	.20250	.13460	.00420	.01580	.00020	.00130	-9.92330	-.00650
3.000	.076	.22340	.09640	.20290	.13430	.00440	.00130	-.00010	.00010	-9.96870	-.00580
3.000	1.119	.22500	.09660	.20430	.13490	.00410	-.01290	-.00040	-.00100	-9.93820	-.00630
3.000	2.171	.22490	.09690	.20410	.13530	.00370	-.02720	-.00060	-.00220	-9.94360	-.00620
3.000	3.222	.22580	.09730	.20490	.13590	.00320	-.04190	-.00070	-.00330	-9.95850	-.00600
3.000	4.247	.22640	.09730	.20550	.13610	.00250	-.05700	-.00030	-.00470	-9.96870	-.00580
3.000	6.400	.22750	.09670	.20670	.13560	-.00030	-.09200	.00220	-.00820	-9.93820	-.00630
	GRADIENT	.00046	.00005	.00039	.00021	-.00022	-.01378	-.00016	-.00112	-.00491	-.00016

AMES 118-1-87 OA145C 01 (R2H026) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 91/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.338	.38690	.08770	.35060	.18560	-.00350	.08990	.00170	.00980	-9.93860	-.00590
3.000	-4.253	.38560	.08910	.34900	.18660	-.00130	.05820	.00240	.00590	-9.92840	-.00610
3.000	-2.141	.38540	.09010	.34850	.18760	.00040	.03110	.00130	.00320	-9.93580	-.00870
3.000	-1.081	.38500	.08950	.34830	.18700	.00070	.01760	.00070	.00180	-9.92330	-.00650
3.000	-.004	.38500	.09000	.34820	.18740	.00130	.00340	-.00010	.00020	-9.99180	-.00750
3.000	1.076	.38580	.08980	.34890	.18750	.00050	-.01160	-.00080	-.00130	-9.94600	-.00850
3.000	2.133	.38640	.09020	.34940	.18800	.00010	-.02530	-.00140	-.00280	-9.96630	-.00820
3.000	3.210	.38620	.09000	.34930	.18780	-.00050	-.03750	-.00260	-.00390	-9.91310	-.00670
3.000	4.246	.38650	.08920	.34970	.18710	-.00180	-.05360	-.00220	-.00570	-9.93860	-.00590
3.000	6.359	.38630	.08800	.34990	.18590	-.00380	-.08640	-.00130	-.00950	-9.94870	-.00580
	GRADIENT	.00015	.00003	.00012	.00009	-.00008	-.01308	-.00060	-.00136	-.00066	.00003

AMES 11B-1-87 OA145C 01 (R2H027) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 90/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.382	.56180	.07900	.50000	.26790	-.00910	.08390	.00600	.01030	-9.95150	-.00300
3.000	-4.243	.56240	.07990	.50020	.26920	-.00730	.05220	.00550	.00610	-9.92840	-.00610
3.000	-2.178	.56230	.08190	.49910	.27150	-.00480	.02640	.00370	.00280	-9.95890	-.00560
3.000	-1.114	.56190	.08230	.49860	.27170	-.00490	.01470	.00190	.00150	-9.94870	-.00580
3.000	-.055	.56330	.08200	.49980	.27260	-.00500	.00300	-.00010	.00020	-9.93080	-.00370
3.000	1.012	.56420	.08210	.50040	.27320	-.00520	-.00830	-.00210	-.00110	-9.93860	-.00590
3.000	2.077	.56230	.08190	.49880	.27220	-.00510	-.02020	-.00370	-.00230	-9.93860	-.00590
3.000	3.150	.56190	.08050	.49890	.27070	-.00640	-.03320	-.00500	-.00380	-9.92090	-.00890
3.000	4.219	.56160	.07990	.49900	.26980	-.00780	-.04850	-.00550	-.00570	-9.95350	-.00570
3.000	6.314	.56090	.07870	.49880	.26850	-.00950	-.08010	-.00560	-.00980	-9.94330	-.00590
	GRADIENT	-.00005	-.00005	-.00009	.00006	-.00009	-.01160	-.00143	-.00133	.00014	-.00015

AMES 118-1-87 OA145C 01 (R2H028) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 78/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
3.001	-14.973	.21650	.09850	.19580	.13500	.00950	-.02840	-.00050	-.00210	.00890
3.001	-12.961	.21990	.09780	.19930	.13500	.00710	-.02860	-.00050	-.00210	-.00730
3.001	-9.936	.22480	.09710	.20420	.13510	.00350	-.02850	-.00060	-.00220	.00650
3.001	-7.930	.22870	.09680	.20810	.13550	.00100	-.02860	-.00070	-.00240	.01420
3.001	-7.332	.40470	.09630	.36540	.19890	-.01520	-.02630	-.00020	-.00850	-7.60210
3.001	-5.943	.23180	.09660	.21120	.13590	-.00180	-.02860	-.00070	-.00240	.01510
3.001	-4.956	.23460	.09660	.21390	.13630	-.00340	-.02850	-.00070	-.00240	-.00220
3.001	-3.936	.23610	.09660	.21540	.13670	-.00480	-.02850	-.00070	-.00250	.00560
3.001	-1.943	.24040	.09690	.21960	.13770	-.00800	-.02850	-.00070	-.00250	-.00120
3.001	.035	.24490	.09730	.22390	.13890	-.01130	-.02840	-.00070	-.00260	.00560
3.001	2.036	.24950	.09780	.22840	.14020	-.01490	-.02840	-.00070	-.00250	.00920
3.001	4.015	.25480	.09860	.23340	.14200	-.01900	-.02850	-.00070	-.00270	-.01110
3.001	5.031	.25780	.09920	.23630	.14300	-.02110	-.02850	-.00060	-.00270	-.01500
3.001	8.029	.26590	.10140	.24390	.14660	-.02790	-.02870	-.00060	-.00290	-.01130
3.001	10.025	.27210	.10340	.24970	.14970	-.03290	-.02870	-.00060	-.00290	-.01420
	GRADIENT	.00226	.00022	.00218	.00062	-.00173	.00001	.00000	-.00003	-.00049

AMES 118-1-87 OA145C 01 (R2H029) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = 2.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 79/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
3.001	-14.950	.37750	.09130	.34050	.18690	.00660	-.02590	-.00130	-.00260	.00100
3.001	-12.951	.38140	.09080	.34430	.18750	.00420	-.02600	-.00140	-.00270	-.00270
3.001	-9.931	.38680	.09010	.34970	.18820	.00020	-.02580	-.00140	-.00280	.00150
3.001	-7.939	.39100	.08980	.35380	.18910	-.00290	-.02580	-.00140	-.00290	-.00530
3.001	-4.941	.39730	.08980	.35990	.19060	-.00770	-.02570	-.00140	-.00300	.00650
3.001	-3.949	.40000	.08990	.36250	.19150	-.00960	-.02580	-.00140	-.00300	-.00080
3.001	-1.941	.40490	.09030	.36710	.19320	-.01340	-.02580	-.00150	-.00310	.00600
3.001	-.449	.41010	.09100	.37200	.19520	-.01800	-.02580	-.00140	-.00360	-.50220
3.001	.033	.41020	.09070	.37210	.19500	-.01740	-.02560	-.00150	-.00330	-.00630
3.001	2.041	.41630	.09170	.37770	.19740	-.02200	-.02570	-.00150	-.00340	.00420
3.001	4.022	.42200	.09300	.38300	.20020	-.02690	-.02560	-.00150	-.00340	-.00350
3.001	5.021	.42530	.09370	.38600	.20180	-.02950	-.02550	-.00150	-.00340	-.00450
3.001	8.020	.43600	.09650	.39550	.20730	-.03780	-.02550	-.00160	-.00350	.00560
3.001	10.010	.44340	.09920	.40200	.21180	-.04400	-.02550	-.00150	-.00360	-.01130
	GRADIENT	.00275	.00034	.00257	.00105	-.00213	.00002	-.00001	-.00005	-.00311

AMES 118-1-87 OA145C 01 (R2H030) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 80/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
3.001	-14.966	.54760	.08360	.48530	.26700	.00260	-.02080	-.00350	-.00210	.00610
3.001	-12.971	.55210	.08300	.48980	.26800	-.00030	-.02110	-.00350	-.00220	.00240
3.001	-9.934	.55840	.08230	.49590	.26950	-.00480	-.02100	-.00350	-.00240	.00450
3.001	-7.935	.56260	.08200	.50010	.27060	-.00830	-.02100	-.00360	-.00250	-.00070
3.001	-4.951	.57040	.08210	.50730	.27340	-.01400	-.02110	-.00360	-.00260	.00250
3.001	-3.938	.57320	.08240	.50980	.27460	-.01620	-.02110	-.00360	-.00260	.00340
3.001	-1.939	.57920	.08310	.51530	.27730	-.02090	-.02110	-.00370	-.00270	.00320
3.001	.043	.58590	.08410	.52110	.28060	-.02570	-.02090	-.00370	-.00270	.00170
3.001	2.038	.59250	.08520	.52700	.28390	-.03120	-.02100	-.00370	-.00280	.00670
3.001	4.011	.59970	.08690	.53320	.28790	-.03710	-.02120	-.00360	-.00280	.00320
3.001	5.031	.60370	.08780	.53660	.29020	-.04030	-.02100	-.00360	-.00290	-.01030
3.001	8.007	.61700	.09160	.54780	.29830	-.05080	-.02120	-.00360	-.00300	-.00260
3.001	10.028	.62580	.09480	.55500	.30440	-.05840	-.02120	-.00360	-.00300	-.00210
	GRADIENT	.00327	.00052	.00289	.00161	-.00256	-.00000	-.00000	-.00002	.00018

AMES 118-1-87 OA145C 01 (R2H031) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 64/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
3.001	-4.972	.24420	.09690	.22320	.13850	-.01120	.00110	.00050	-.00330	.01900
3.001	-2.991	.24380	.09650	.22300	.13810	-.01080	.00070	.00020	-.00190	.04110
3.001	-1.978	.24410	.09630	.22330	.13790	-.01080	.00060	.00010	-.00120	.03840
3.001	-.979	.24410	.09630	.22330	.13790	-.01070	.00010	.00000	-.00050	.05860
3.001	-.000	.24400	.09630	.22320	.13790	-.01070	.00010	.00000	.00000	.01770
3.001	.984	.24420	.09630	.22330	.13790	-.01080	.00030	-.00010	.00070	.03300
3.001	1.988	.24380	.09640	.22300	.13790	-.01080	.00020	-.00020	.00140	.03210
3.001	2.976	.24400	.09640	.22320	.13800	-.01090	.00020	-.00030	.00210	.03030
3.001	4.982	.24430	.09690	.22340	.13850	-.01140	.00030	-.00050	.00340	.03420
3.001	7.979	.24550	.09820	.22440	.14000	-.01260	.00090	-.00100	.00550	.03950
3.001	9.981	.24630	.09920	.22490	.14120	-.01360	.00110	-.00140	.00690	.04370
	GRADIENT	.00001	-.00000	.00001	-.00000	-.00002	-.00008	-.00009	.00067	.00008

AMES 118-1-87 OA145C 01 (R2H032) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 34/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
3.000	-4.978	.40430	.09120	.36650	.19360	-.01720	.00250	.00070	-.00360	.03850
3.000	-2.983	.40340	.09030	.36590	.19260	-.01640	.00270	.00040	-.00200	.04870
3.000	-1.973	.40340	.09010	.36580	.19240	-.01630	.00290	.00020	-.00120	.04310
3.000	-.979	.40320	.09020	.36560	.19240	-.01630	.00300	.00010	-.00040	.04790
3.000	-.006	.40300	.09020	.36550	.19230	-.01610	.00320	.00000	.00030	.02320
3.000	.977	.40370	.09020	.36610	.19250	-.01620	.00340	-.00010	.00110	.02060
3.000	1.993	.40370	.09040	.36610	.19270	-.01640	.00340	-.00030	.00190	.02250
3.000	2.983	.40410	.09070	.36640	.19310	-.01670	.00340	-.00040	.00270	.05330
3.000	4.968	.40470	.09120	.36690	.19370	-.01730	.00400	-.00070	.00430	.05280
3.000	7.972	.40670	.09250	.36850	.19560	-.01900	.00490	-.00120	.00680	.03270
3.000	9.980	.40810	.09390	.36940	.19730	-.02040	.00510	-.00160	.00850	.03650
	GRADIENT	.00007	.00002	.00006	.00003	-.00002	.00014	-.00014	.00079	.00022

AMES 118-1-87 OA145C 01 (R2H032) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 176/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
3.496	-4.982	.35730	.08040	.32490	.16900	-.01380	.00180	.00120	-.00350	.03340
3.496	-2.985	.35670	.08000	.32440	.16840	-.01310	.00160	.00090	-.00210	.05600
3.496	-1.973	.35650	.07970	.32430	.16820	-.01290	.00170	.00070	-.00140	.03850
3.496	-.986	.35650	.07970	.32430	.16810	-.01290	.00170	.00060	-.00070	.06090
3.496	.005	.35650	.07960	.32430	.16810	-.01280	.00170	.00040	-.00010	.03080
3.496	.984	.35680	.07960	.32460	.16810	-.01280	.00170	.00030	.00060	.05190
3.496	1.991	.35680	.07980	.32450	.16820	-.01300	.00150	.00020	.00130	.02930
3.496	2.977	.35670	.07990	.32440	.16840	-.01320	.00180	.00000	.00210	.04900
3.496	4.969	.35730	.08040	.32490	.16900	-.01380	.00240	-.00030	.00350	.04290
3.496	7.983	.35910	.08150	.32630	.17060	-.01570	.00350	-.00070	.00570	.04980
3.496	9.997	.36040	.08280	.32730	.17220	-.01720	.00380	-.00110	.00720	.03300
	GRADIENT	.00001	-.00000	.00001	-.00000	-.00000	.00004	-.00015	.00070	-.00001

AMES 118-1-87 OA145C 01 (R2H033) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 71/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
3.001	-4.990	.59000	.08470	.52420	.28370	-.02720	.00090	.00090	-.00460	.04620
3.001	-2.991	.58890	.08400	.52340	.28260	-.02620	.00090	.00050	-.00260	.04110
3.001	-1.973	.58910	.08390	.52360	.28260	-.02590	.00120	.00030	-.00160	.03850
3.001	-.978	.58890	.08370	.52360	.28240	-.02590	.00120	.00020	-.00060	.04270
3.001	-.002	.58880	.08370	.52340	.28230	-.02580	.00150	.00000	.00020	.04230
3.001	.979	.58910	.08380	.52360	.28250	-.02590	.00200	-.00020	.00120	.04700
3.001	1.994	.58910	.08390	.52360	.28270	-.02600	.00230	-.00030	.00220	.05600
3.001	2.968	.58960	.08420	.52400	.28310	-.02630	.00290	-.00050	.00320	.03810
3.001	4.975	.59120	.08510	.52510	.28450	-.02730	.00490	-.00100	.00520	.02720
3.001	7.987	.59360	.08700	.52680	.28710	-.02950	.00570	-.00180	.00820	.03680
3.001	9.992	.59550	.08870	.52800	.28930	-.03150	.00620	-.00240	.01020	.03900
	GRADIENT	.00011	.00003	.00008	.00007	-.00001	.00037	-.00018	.00098	-.00083

AMES 118-1-87 OA145C 01 (R2H034) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 67/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	.287	-.03680	.11410	-.03740	.11390	-.00540	-.00120	-.00020	.00250	.03930	4.98160
3.001	1.922	.00530	.11230	.00150	.11240	-.00570	-.00020	-.00030	.00260	.04170	4.98390
3.001	3.966	.05880	.10920	.05110	.11300	-.00620	.00010	-.00040	.00280	.02690	4.98000
3.001	5.958	.11590	.10450	.10440	.11600	-.00820	.00050	-.00050	.00300	.03700	4.97930
3.001	7.984	.17670	.10090	.16100	.12440	-.00950	.00040	-.00060	.00320	.04450	4.98110
3.001	10.046	.24070	.09720	.22000	.13770	-.01140	.00050	-.00060	.00350	.02660	4.98500
3.001	12.130	.30580	.09470	.27910	.15680	-.01360	.00120	-.00060	.00380	.05200	4.97820
3.001	14.136	.37090	.09240	.33710	.18020	-.01640	.00240	-.00080	.00410	.04200	4.97900
3.001	15.194	.40600	.09110	.36790	.19430	-.01750	.00290	-.00080	.00420	.03960	4.97670
3.001	16.110	.43830	.09010	.39610	.20820	-.01910	.00320	-.00090	.00440	.02950	4.97740
3.001	18.189	.51280	.08760	.45990	.24330	-.02290	.00410	-.00090	.00480	.03960	4.97670
3.001	20.246	.58940	.08500	.52360	.28370	-.02730	.00490	-.00100	.00520	.03930	4.98160
3.001	22.223	.66560	.08260	.58500	.32820	-.03160	.00560	-.00110	.00560	.01920	4.98310
3.001	26.317	.83230	.07650	.71220	.43750	-.04240	.00500	-.00100	.00650	.02660	4.98500
3.001	29.822	.98260	.07130	.81700	.55050	-.05180	.00540	-.00130	.00730	.03930	4.98160
	GRADIENT	.02600	-.00134	.02407	-.00022	-.00022	.00034	-.00005	.00008	-.00353	-.00050

AMES 118-1-87 OA145C 01 (R2H035) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 77/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
3.001	-14.952	.21460	.09850	.19400	.13470	-.00990	.00020	.00060	.00240	5.01790
3.001	-12.949	.21810	.09780	.19750	.13450	.00750	.00050	.00030	.00240	5.00440
3.001	-9.948	.22280	.09690	.20230	.13450	.00390	.00050	.00000	.00260	5.00860
3.001	-7.964	.22660	.09670	.20610	.13500	.00130	.00060	-.00010	.00270	4.99960
3.001	-4.948	.23230	.09660	.21180	.13590	-.00320	.00100	-.00030	.00300	4.99470
3.001	-3.966	.23440	.09660	.21380	.13620	-.00460	.00080	-.00030	.00300	4.98700
3.001	-1.967	.23870	.09690	.21800	.13730	-.00790	.00060	-.00050	.00320	4.97800
3.001	.026	.24340	.09730	.22250	.13850	-.01140	.00060	-.00060	.00340	4.99010
3.001	2.035	.24810	.09800	.22700	.14010	-.01510	.00080	-.00080	.00360	4.96880
3.001	4.045	.25300	.09900	.23170	.14190	-.01930	.00070	-.00110	.00390	4.97670
3.001	5.018	.25540	.09950	.23390	.14290	-.02130	.00080	-.00130	.00400	4.99430
3.001	8.016	.26410	.10200	.24210	.14690	-.02830	.00100	-.00190	.00440	4.98880
3.001	10.017	.27040	.10420	.24790	.15000	-.03340	.00100	-.00220	.00480	4.99680
	GRADIENT	.00230	.00026	.00221	.00067	-.00178	-.00002	-.00009	.00010	-.00198

AMES 118-1-87 OA145C 01 (R2H036) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 76/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
3.001	-14.960	.37620	.09080	.33900	.18650	.00710	.00310	.00050	.00260	5.01060
3.001	-12.942	.38040	.09050	.34320	.18730	.00440	.00310	.00030	.00280	5.00630
3.001	-9.953	.38560	.09010	.34840	.18830	.00050	.00300	.00020	.00300	5.00890
3.001	-7.970	.38940	.08980	.35200	.18900	-.00240	.00290	.00000	.00320	4.98930
3.001	-4.969	.39640	.08990	.35880	.19100	-.00750	.00300	-.00030	.00350	4.99050
3.001	-3.964	.39900	.09000	.36130	.19180	-.00930	.00290	-.00040	.00360	4.98490
3.001	-1.972	.40420	.09050	.36620	.19360	-.01340	.00300	-.00060	.00390	4.97820
3.001	.037	.40940	.09120	.37100	.19570	-.01750	.00330	-.00080	.00420	4.98420
3.001	2.032	.41540	.09220	.37650	.19820	-.02200	.00340	-.00100	.00450	4.96550
3.001	4.027	.42160	.09370	.38210	.20130	-.02700	.00330	-.00130	.00480	4.97330
3.001	5.009	.42470	.09440	.38490	.20280	-.02950	.00320	-.00140	.00500	4.99430
3.001	8.025	.43620	.09750	.39520	.20880	-.03820	.00340	-.00200	.00560	4.99770
3.001	10.015	.44360	.10030	.40160	.21350	-.04460	.00340	-.00250	.00590	4.99390
	GRADIENT	.00278	.00041	.00257	.00113	-.00216	.00005	-.00011	.00015	-.00209

AMES 118-1-87 OA145C 01 (R2H037) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 75/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
3.001	-14.950	.55360	.08380	.49020	.27060	.00180	.00430	.00030	.00300	5.01580
3.001	-12.929	.55770	.08330	.49420	.27150	-.00120	.00420	.00010	.00320	5.00380
3.001	-9.960	.56420	.08280	.50040	.27330	-.00570	.00430	.00000	.00360	5.01170
3.001	-7.960	.56880	.08280	.50480	.27490	-.00940	.00440	-.00020	.00380	4.99950
3.001	-4.944	.57660	.08300	.51210	.27780	-.01530	.00450	-.00040	.00420	4.98810
3.001	-3.971	.57950	.08320	.51470	.27900	-.01760	.00450	-.00050	.00440	4.98140
3.001	-1.954	.58550	.08400	.52010	.28180	-.02220	.00450	-.00070	.00480	4.97570
3.001	.024	.59190	.08500	.52570	.28500	-.02730	.00480	-.00100	.00520	4.98780
3.001	2.037	.59900	.08650	.53180	.28880	-.03290	.00510	-.00130	.00560	4.97110
3.001	4.038	.60670	.08830	.53840	.29320	-.03890	.00500	-.00160	.00600	4.97470
3.001	5.015	.61030	.08920	.54150	.29530	-.04200	.00520	-.00190	.00620	5.00080
3.001	10.010	.63240	.09650	.55970	.30980	-.06000	.00580	-.00320	.00730	4.99460
	GRADIENT	.00333	.00058	.00291	.00170	-.00261	.00007	-.00013	.00020	-.00128

AMES 118-1-87 OA145C 01 (R2H038) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 65/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
3.001	-5.001	.22390	.09660	.20330	.13460	.00400	.00060	-.00020	-.00250	-9.94850
3.001	-3.005	.22430	.09620	.20380	.13430	.00430	.00040	-.00010	-.00150	-9.93960
3.001	-1.996	.22430	.09610	.20380	.13410	.00440	.00040	-.00010	-.00100	-9.93500
3.001	-.984	.22430	.09590	.20380	.13400	.00440	.00030	-.00010	-.00040	-9.93760
3.001	-.107	.22390	.09590	.20350	.13390	.00460	.00020	.00000	.00000	-10.05100
3.001	.971	.22410	.09610	.20360	.13410	.00460	.00010	.00000	.00050	-9.99400
3.001	2.004	.22390	.09620	.20340	.13420	.00440	.00000	.00000	.00110	-9.96790
3.001	3.009	.22390	.09630	.20340	.13430	.00430	.00020	.00000	.00150	-9.96450
3.001	5.010	.22410	.09650	.20360	.13450	.00400	.00010	.00010	.00260	-9.93550
3.001	8.004	.22460	.09750	.20390	.13560	.00310	.00060	.00030	.00420	-9.95380
3.001	10.001	.22480	.09810	.20390	.13630	.00260	.00030	.00050	.00530	-9.96960
	GRADIENT	-.00008	.00003	-.00008	.00001	.00001	-.00006	.00002	.00050	-.00668

AMES 118-1-87 OA145C 01 (R2H039) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 61/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
3.001	-5.001	.38410	.08970	.34700	.18760	.00090	.00070	-.00020	-.00270	-9.94310
3.001	-3.008	.38380	.08940	.34680	.18720	.00130	.00100	-.00010	-.00150	-9.93680
3.001	-2.188	.38400	.08910	.34700	.18700	.00120	.00100	-.00010	-.00110	-9.75760
3.001	-.994	.38340	.08880	.34650	.18650	.00150	.00120	.00000	-.00040	-9.93320
3.001	-.108	.38340	.08900	.34650	.18680	.00170	.00160	.00000	.00010	-10.05500
3.001	.941	.38350	.08910	.34660	.18690	.00160	.00190	.00000	.00070	-10.00800
3.001	2.006	.38380	.08920	.34680	.18700	.00140	.00210	.00010	.00130	-9.93620
3.001	3.002	.38420	.08940	.34720	.18730	.00120	.00230	.00010	.00190	-9.94730
3.001	5.011	.38520	.08990	.34800	.18810	.00070	.00240	.00020	.00310	-9.94530
3.001	8.009	.38690	.09050	.34940	.18910	-.00060	.00290	.00030	.00480	-9.94400
3.001	10.003	.38810	.09110	.35040	.19000	-.00160	.00330	.00030	.00600	-9.95750
	GRADIENT	.00003	.00002	.00003	.00002	.00001	.00024	.00004	.00057	-.01674

AMES 118-1-87 OA145C 01 (R2H040) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 70/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
3.001	-4.993	.56210	.08280	.49870	.27220	-.00580	.00110	-.00010	-.00310	-9.95210
3.001	-3.004	.56180	.08230	.49860	.27160	-.00540	.00130	-.00010	-.00170	-9.95490
3.001	-2.000	.56170	.08210	.49860	.27150	-.00500	.00140	-.00010	-.00100	-9.96040
3.001	-.987	.56170	.08210	.49850	.27140	-.00500	.00180	-.00010	-.00040	-9.93990
3.001	.011	.56210	.08200	.49900	.27150	-.00500	.00200	.00000	.00030	-9.92090
3.001	1.000	.56190	.08210	.49880	.27150	-.00500	.00240	-.00010	.00090	-9.96420
3.001	1.991	.56210	.08220	.49890	.27160	-.00510	.00270	.00000	.00160	-9.94530
3.001	3.007	.56220	.08230	.49900	.27180	-.00530	.00300	.00000	.00230	-9.96210
3.001	5.012	.56290	.08290	.49940	.27260	-.00580	.00360	.00000	.00360	-9.96020
3.001	7.996	.56420	.08400	.50030	.27410	-.00720	.00500	-.00010	.00560	-9.93590
3.001	9.994	.56600	.08500	.50160	.27560	-.00860	.00530	-.00010	.00700	-9.97650
	GRADIENT	.00003	-.00005	.00005	-.00004	.00006	.00025	.00001	.00067	-.00010

AMES 11.8-1-87 OA145C 01 (R2H041) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 66/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	.250	-.05610	.11580	-.05660	.11550	.00790	-.00320	.00130	.00250	-9.93510	5.00070
3.001	1.917	-.01260	.11350	-.01640	.11300	.00770	-.00170	.00100	.00240	-9.95230	5.00390
3.001	3.967	.04070	.11020	.03300	.11280	.00740	-.00110	.00080	.00240	-9.95700	4.99920
3.001	5.976	.09710	.10440	.08570	.11390	.00560	-.00040	.00040	.00240	-9.96950	5.00240
3.001	7.981	.15730	.10060	.14180	.12150	.00470	.00010	.00020	.00250	-9.95030	5.01120
3.001	10.080	.22090	.09660	.20060	.13380	.00390	.00030	.00000	.00260	-9.94280	5.00830
3.001	12.120	.28370	.09360	.25780	.15100	.00260	.00120	-.00010	.00280	-9.95760	5.00910
3.001	14.150	.34820	.09100	.31540	.17340	.00100	.00240	.00000	.00300	-9.95260	5.00890
3.001	15.167	.38110	.08990	.34430	.18640	.00040	.00270	.00010	.00300	-9.96280	5.01430
3.001	16.162	.41570	.08840	.37470	.20060	-.00080	.00310	.00000	.00320	-9.96020	5.01170
3.001	18.204	.48750	.08560	.43630	.23360	-.00300	.00430	-.00010	.00340	-9.96510	5.01200
3.001	20.230	.56090	.08270	.49760	.27160	-.00580	.00470	-.00010	.00360	-9.94800	5.01350
3.001	22.230	.63630	.07970	.55890	.31450	-.00870	.00490	-.00010	.00390	-9.95550	5.01640
3.001	26.327	.79860	.07240	.68370	.41910	-.01630	.00500	-.00010	.00430	-9.95790	5.01410
3.001	29.821	.94290	.06650	.78490	.52660	-.02170	.00510	-.00010	.00490	-9.96310	5.01930
	GRADIENT	.02604	-.00151	.02411	-.00070	-.00013	.00055	-.00013	-.00003	-.00576	-.00047

AMES 118-1-87 OA145C 01 (R2H042) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 63/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
3.001	-5.009	.27240	.10360	.24980	.15000	-.03330	.00030	.00210	-.00460	10.04000
3.001	-3.512	.27270	.10350	.25010	.15000	-.03380	.00030	.00150	-.00310	10.54000
3.001	-2.007	.27150	.10260	.24910	.14900	-.03240	.00000	.00080	-.00170	10.02600
3.001	-1.007	.27100	.10220	.24870	.14840	-.03210	-.00010	.00050	-.00090	10.00800
3.001	-.007	.27150	.10230	.24910	.14870	-.03220	.00000	.00010	.00000	10.01900
3.001	.990	.27130	.10230	.24900	.14870	-.03220	.00000	-.00030	.00090	10.02900
3.001	1.987	.27150	.10260	.24910	.14900	-.03230	.00010	-.00080	.00190	10.02700
3.001	2.987	.27150	.10290	.24900	.14930	-.03270	.00020	-.00120	.00280	10.02200
3.001	4.992	.27210	.10370	.24950	.15020	-.03340	.00040	-.00210	.00480	10.01200
3.001	7.734	.27190	.10520	.24900	.15160	-.03400	.00110	-.00330	.00730	9.75060
3.001	9.985	.27520	.10820	.25170	.15520	-.03720	.00160	-.00450	.00960	10.03400
	GRADIENT	-.00003	.00005	-.00004	.00006	.00000	.00002	-.00042	.00092	-.03960

AMES 118-1-87 OA145C 01 (R2H043) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 62/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
3.001	-5.017	.44260	.09990	.40080	.21280	-.04440	.00100	.00240	-.00560	10.03800
3.001	-3.522	.44370	.09950	.40190	.21280	-.04510	.00100	.00170	-.00380	10.52600
3.001	-2.013	.44190	.09830	.40050	.21120	-.04310	.00130	.00090	-.00210	10.03700
3.001	-1.005	.44220	.09820	.40070	.21110	-.04310	.00120	.00050	-.00100	10.01300
3.001	-.005	.44190	.09810	.40050	.21100	-.04290	.00110	.00010	.00010	10.02100
3.001	.998	.44170	.09830	.40020	.21110	-.04300	.00150	-.00040	.00130	10.00800
3.001	1.990	.44220	.09840	.40070	.21130	-.04300	.00180	-.00080	.00240	10.01900
3.001	2.981	.44250	.09870	.40090	.21170	-.04350	.00210	-.00130	.00350	10.02800
3.001	4.991	.44300	.10000	.40110	.21310	-.04450	.00290	-.00240	.00590	10.02200
3.001	7.739	.44390	.10210	.40140	.21530	-.04530	.00350	-.00390	.00910	9.76600
3.001	9.985	.44810	.10560	.40450	.21980	-.04910	.00410	-.00540	.01200	10.01400
	GRADIENT	-.00002	.00008	-.00004	.00007	.00002	.00021	-.00047	.00114	-.03855

AMES 11B-1-87 OA145C 01 (R2H044) (06 JUL 77)

REFERENCE DATA

SREF = 690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 72/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON
3.001	-5.002	.63010	.09610	.55790	.30820	-.06010	-.00040	.00320	-.00670	10.02300
3.001	-3.522	.63170	.09590	.55950	.30860	-.06100	.00000	.00230	-.00460	10.53000
3.001	-2.007	.62960	.09460	.55790	.30660	-.05890	.00060	.00120	-.00240	10.02100
3.001	-1.005	.62960	.09440	.55800	.30640	-.05880	.00090	.00070	-.00120	10.02700
3.001	-.000	.62940	.09440	.55780	.30630	-.05860	.00100	.00010	.00020	10.01200
3.001	.991	.62900	.09430	.55750	.30620	-.05850	.00200	-.00040	.00160	10.02000
3.001	1.988	.62940	.09460	.55780	.30660	-.05860	.00290	-.00110	.00300	10.01300
3.001	2.991	.63000	.09510	.55810	.30720	-.05890	.00370	-.00170	.00440	10.02700
3.001	5.006	.63160	.09650	.55920	.30910	-.06020	.00510	-.00310	.00730	10.01700
3.001	7.739	.63250	.09880	.55920	.31150	-.06120	.00610	-.00500	.01110	9.74560
3.001	9.978	.63720	.10300	.56220	.31710	-.06530	.00700	-.00690	.01440	10.03700
	GRADIENT	-.00023	-.00010	-.00018	-.00017	.00026	.00056	-.00060	.00138	-.05618

AMES 118-1-87 OA145C 01 (R2H045) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 687 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	.259	-.01730	.11740	-.01780	.11730	-.02090	-.00060	-.00120	.00290	10.00500	4.98870
3.001	1.945	.02720	.11610	.02330	.11690	-.02210	.00030	-.00140	.00330	10.00500	4.98870
3.001	3.968	.08150	.11370	.07340	.11910	-.02360	.00050	-.00160	.00360	10.00800	4.98640
3.001	5.994	.14100	.10950	.12880	.12360	-.02690	.00070	-.00180	.00400	10.01800	4.98620
3.001	7.999	.20230	.10670	.18550	.13380	-.02950	.00070	-.00200	.00440	10.00800	4.99170
3.001	10.074	.26860	.10400	.24630	.14940	-.03320	.00090	-.00220	.00480	10.02000	4.98850
3.001	12.152	.33640	.10230	.30740	.17090	-.03740	.00150	-.00230	.00530	10.00800	4.98640
3.001	14.142	.40370	.10090	.36680	.19650	-.04210	.00260	-.00250	.00580	9.99780	4.99190
3.001	15.204	.44020	.10010	.39850	.21210	-.04440	.00300	-.00250	.00590	9.98830	4.98710
3.001	16.158	.47520	.09940	.42880	.22770	-.04720	.00340	-.00270	.00620	9.99790	4.98660
3.001	18.169	.54990	.09800	.49190	.26450	-.05330	.00440	-.00290	.00680	10.02000	4.98350
3.001	20.233	.62950	.09660	.55720	.30830	-.05990	.00520	-.00320	.00730	10.00800	4.98640
3.001	22.223	.70910	.09540	.62030	.35650	-.06690	.00610	-.00340	.00790	10.00000	4.98920
3.001	26.362	.88450	.09220	.75160	.47530	-.08310	.00660	-.00380	.00900	10.01500	4.98890
3.001	29.823	1.03790	.08950	.85600	.59380	-.09680	.00710	-.00440	.00980	10.01800	4.98620
	GRADIENT	.02665	-.00100	.02460	.00051	-.00073	.00029	-.00011	.00019	.00083	-.00064

AMES 118-1-87 OA145C 01 (R2H046) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 69/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	-6.339	.41340	.08940	.37580	.19410	-.02360	.09030	.00130	.01500	.02150	4.98540
3.001	-4.245	.41260	.09100	.37460	.19550	-.02110	.05830	.00210	.01090	.03160	4.98470
3.001	-3.171	.41140	.09180	.37320	.19590	-.01940	.04290	.00220	.00880	.01950	4.97820
3.001	-2.129	.41120	.09190	.37290	.19600	-.01890	.03170	.00080	.00770	.03160	4.98470
3.001	-1.057	.41120	.09130	.37310	.19550	-.01860	.01830	-.00010	.00620	.02410	4.98280
3.001	-.015	.41050	.09180	.37230	.19570	-.01750	.00470	-.00090	.00440	.02180	4.98050
3.001	1.062	.41120	.09170	.37290	.19590	-.01790	-.00950	-.00170	.00250	.02650	4.98520
3.001	2.108	.41090	.09200	.37250	.19620	-.01800	-.02310	-.00230	.00090	.02650	4.98520
3.001	3.185	.41040	.09160	.37230	.19560	-.01840	-.03500	-.00360	-.00030	.01400	4.98360
3.001	4.224	.41080	.09090	.37270	.19510	-.01970	-.05090	-.00320	-.00230	.00630	4.98670
3.001	6.343	.41020	.08960	.37250	.19360	-.02120	-.08380	-.00230	-.00640	.04430	4.98130
	GRADIENT	-.00017	-.00001	-.00018	-.00003	.00017	-.01272	-.00073	-.00153	-.00198	.00043

AMES 118-1-87 OA145C 01 (R2H047) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = -5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 179/ 0 RN/L = 2.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.496	4.752	.07050	.09360	.06250	.09910	-.00890	-.00110	.00070	-.00250	.02800	-4.97170
3.496	7.294	.13950	.08880	.12710	.10580	-.00980	-.00060	.00080	-.00270	.03300	-4.97680
3.496	9.781	.20840	.08570	.19080	.11990	-.01050	.00010	.00090	-.00290	.03300	-4.97680
3.496	11.835	.26770	.08350	.24490	.13660	-.01150	.00110	.00090	-.00310	.02840	-4.97680
3.496	13.837	.32730	.08110	.29850	.15700	-.01310	.00160	.00110	-.00340	.03810	-4.97720
3.496	14.874	.35900	.08000	.32640	.16950	-.01380	.00160	.00120	-.00350	.03300	-4.97680
3.496	15.854	.38980	.07900	.35340	.18250	-.01500	.00180	.00130	-.00360	.05750	-4.97790
3.496	17.882	.45700	.07700	.41120	.21350	-.01720	.00130	.00130	-.00400	.02840	-4.97680
3.496	19.921	.52930	.07520	.47200	.25100	-.01970	.00120	.00130	-.00440	.02800	-4.97640
3.496	22.411	.62130	.07230	.54680	.30370	-.02330	.00050	.00130	-.00490	.03540	-4.97450
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (R2H048) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 49/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	-9.476	.24200	.09800	.22090	.13920	-.00790	-.00660	.00510	-.00270	.03320	-.00130
3.001	-4.926	.24340	.09680	.22250	.13820	-.00960	-.00300	.00260	-.00130	.03040	.00140
3.001	-2.417	.24330	.09630	.22250	.13780	-.01010	-.00080	.00120	-.00050	.04700	-.00200
3.001	.036	.24330	.09620	.22250	.13760	-.01030	.00100	-.00010	.00020	.03750	-.00150
3.001	2.504	.24330	.09650	.22250	.13790	-.01020	.00370	-.00150	.00100	.04270	-.00180
3.001	4.998	.24310	.09680	.22220	.13820	-.00980	.00620	-.00290	.00190	.04270	-.00180
3.001	10.010	.24230	.09830	.22110	.13950	-.00800	.01060	-.00560	.00340	.03540	-.00360
	GRADIENT	-.00002	.00001	-.00002	.00000	-.00002	.00092	-.00055	.00032	.00002	-.00025

AMES 118-1-87 OA145C 01 (R2H049) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 36/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-22.746	.39760	.09820	.35810	.19860	-.00530	-.01400	.00950	-.00520	.01500	-.00600
3.000	-17.917	.39950	.09570	.36070	.19670	-.00880	-.01180	.00830	-.00450	.01230	-.00330
3.000	-14.947	.40050	.09420	.36200	.19560	-.01080	-.00980	.00720	-.00390	.02180	-.00380
3.000	-9.485	.40200	.09170	.36410	.19350	-.01410	-.00550	.00470	-.00240	.03130	-.00430
3.000	-4.946	.40290	.09070	.36520	.19280	-.01560	-.00150	.00250	-.00110	.02180	-.00380
3.000	-2.447	.40280	.09040	.36520	.19250	-.01600	.00110	.00120	-.00030	.00740	-.00260
3.000	.036	.40340	.09020	.36580	.19240	-.01620	.00310	.00000	.00030	.02380	-.00170
3.000	2.504	.40370	.09040	.36610	.19270	-.01620	.00610	-.00130	.00110	.01450	-.00550
3.000	4.978	.40390	.09080	.36620	.19310	-.01570	.00850	-.00260	.00180	.00950	-.00050
3.000	10.031	.40320	.09210	.36510	.19430	-.01410	.01280	-.00500	.00330	.01690	-.00310
3.000	15.017	.40160	.09440	.36300	.19610	-.01110	.01740	-.00740	.00460	.02180	-.00380
3.000	22.811	.39860	.09820	.35910	.19890	-.00540	.02120	-.00960	.00590	.00280	-.00280
	GRADIENT	.00012	.00001	.00012	.00003	-.00002	.00101	-.00051	.00029	-.00071	.00019

AMES 118-1-87 OA145C 01 (R2H049) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 178/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.496	-22.746	.34990	.08690	.31610	.17350	-.00250	-.01200	.00370	-.00470	.01590	-.00210
3.496	-17.927	.35140	.08450	.31810	.17140	-.00560	-.01030	.00750	-.00400	.03270	-.00080
3.496	-14.968	.35270	.08320	.31970	.17060	-.00760	-.00880	.00660	-.00350	.02040	.00240
3.496	-9.494	.35480	.08120	.32230	.16910	-.01060	-.00510	.00450	-.00230	.02320	-.00030
3.496	-4.916	.35590	.08010	.32360	.16830	-.01220	-.00190	.00260	-.00120	.03270	-.00080
3.496	-2.537	.35630	.07970	.32410	.16810	-.01270	.00010	.00150	-.00060	.02040	.00240
3.496	.053	.35660	.07960	.32450	.16810	-.01290	.00170	.00040	.00000	.03730	-.00070
3.496	2.534	.35640	.07980	.32420	.16820	-.01270	.00370	-.00070	.00060	.02320	-.00030
3.496	5.038	.35630	.08020	.32400	.16860	-.01240	.00600	-.00180	.00130	.02540	-.00260
3.496	9.999	.35510	.08130	.32250	.16930	-.01080	.01000	-.00390	.00250	.02990	.00190
3.496	15.038	.35330	.08330	.32030	.17080	-.00780	.01310	-.00580	.00360	.01830	.00030
	GRADIENT	.00007	-.00004	.00009	-.00001	-.00007	.00074	-.00044	.00024	-.00044	-.00007

AMES 118-1-87 OA145C 01 (R2H050) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 50/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	-9.485	.58770	.08510	.52180	.28350	-.02320	-.00490	.00410	-.00190	.03540	-.00360
3.001	-4.936	.58880	.08420	.52310	.28300	-.02480	-.00130	.00220	-.00080	.03560	.00110
3.001	-2.427	.58910	.08390	.52360	.28290	-.02530	.00110	.00110	-.00010	.02590	-.00310
3.001	-.021	.58930	.08380	.52380	.28280	-.02550	.00250	.00020	.00040	.00000	.00000
3.001	2.504	.58950	.08400	.52380	.28300	-.02530	.00460	-.00090	.00110	.03780	-.00120
3.001	4.998	.58960	.08430	.52380	.28350	-.02480	.00740	-.00200	.00170	.03640	-.00810
3.001	10.031	.58870	.08540	.52260	.28420	-.02320	.01130	-.00410	.00300	.04590	-.00860
	GRADIENT	.00008	.00001	-.00006	.00004	.00000	.00084	-.00042	.00025	.00057	-.00067

AMES 118-1-87 OA145C 01 (R2H051) (06 JUL 77).

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 52/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	.190	-.04040	.11450	-.04080	.11440	-.00390	-.00670	.00320	-.00200	.03110	-.00340
3.001	2.562	.02020	.11160	.01520	.11240	-.00450	-.00520	.00310	-.00180	.04270	-.00180
3.001	5.039	.08780	.10660	.07810	.11390	-.00550	-.00540	.00300	-.00180	.04330	-.00670
3.001	7.621	.16450	.10130	.14960	.12220	-.00750	-.00420	.00280	-.00150	.02420	-.00480
3.001	10.113	.24160	.09680	.22080	.13780	-.00960	-.00310	.00260	-.00130	.04120	.00670
3.001	12.167	.30620	.09410	.27950	.15650	-.01190	-.00230	.00260	-.00120	.03710	-.01290
3.001	14.166	.37070	.09160	.33700	.17950	-.01440	-.00120	.00250	-.00110	.02900	-.00550
3.001	15.203	.40480	.09020	.36700	.19320	-.01560	-.00140	.00250	-.00110	.02420	-.00480
3.001	16.187	.44010	.08910	.39780	.20830	-.01720	-.00120	.00240	-.00100	.01400	.00050
3.001	18.204	.51240	.08650	.45970	.24230	-.02080	-.00100	.00230	-.00080	.02380	-.00520
3.001	20.302	.58980	.08400	.52400	.28340	-.02500	-.00110	.00220	-.00080	.03480	.00120
3.001	22.769	.68580	.08060	.60120	.33970	-.03050	-.00090	.00190	-.00060	.01160	-.00190
3.001	25.492	.79630	.07620	.68600	.41160	-.03770	-.00080	.00170	-.00040	.03640	-.00810
	GRADIENT	.02554	-.00122	.02360	-.00084	-.00025	.00063	-.00004	.00008	.00489	.00067

RUN NO. 184/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.498	4.767	.07020	.09360	.06210	.09910	-.00760	-.00510	.00310	-.00180	.02830	.00280
3.498	7.312	.13890	.08900	.12650	.10590	-.00820	-.00450	.00310	-.00170	.02630	.00070
3.498	9.736	.20640	.08580	.18890	.11940	-.00880	-.00370	.00290	-.00160	.02400	.00300
3.498	11.796	.26590	.08350	.24320	.13610	-.01000	-.00290	.00270	-.00140	.01880	.00330
3.498	13.823	.32670	.08110	.29780	.15680	-.01130	-.00230	.00270	-.00130	.04060	-.00040
3.498	14.854	.35840	.08010	.32590	.16930	-.01210	-.00170	.00260	-.00130	.03580	.00020
3.498	15.860	.38970	.07900	.35330	.18250	-.01310	-.00120	.00250	-.00110	.03370	-.00180
3.498	17.877	.45590	.07680	.41030	.21300	-.01530	-.00050	.00230	-.00110	.03350	.00250
3.498	19.924	.52890	.07470	.47180	.25040	-.01770	.00000	.00190	-.00090	.03350	.00250
3.498	22.428	.62120	.07170	.54680	.30330	-.02110	.00010	.00160	-.00080	.03580	.00020
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (R2H052) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 53/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	-6.256	.24990	.09580	.22910	.13830	-.01650	.08910	.00130	.00770	.02870	-.00580
3.001	-4.163	.24650	.09710	.22550	.13900	-.01270	.05540	.00330	.00400	.03530	.00070
3.001	-2.051	.24430	.09720	.22340	.13860	-.01080	.02610	.00330	.00120	.04060	-.00390
3.001	-.992	.24250	.09700	.22170	.13810	-.01000	.01180	.00300	.00000	.04630	-.01370
3.001	.077	.24270	.09700	.22180	.13820	-.00970	-.00290	.00260	-.00140	.01710	-.00740
3.001	1.118	.24420	.09740	.22300	.13910	-.00940	-.01670	.00240	-.00270	.01710	-.00740
3.001	2.167	.24460	.09780	.22340	.13970	-.00960	-.03150	.00220	-.00410	.04080	-.00820
3.001	3.202	.24460	.09840	.22330	.14030	-.00960	-.04580	.00210	-.00540	.04980	-.00480
3.001	4.240	.24560	.09870	.22410	.14080	-.00980	-.06130	.00250	-.00690	.04330	-.00670
3.001	6.381	.24580	.09890	.22430	.14100	-.01190	-.09550	.00460	-.01060	.04220	-.00130
	GRADIENT	-.00001	.00020	-.00008	.00026	.00031	-.01380	-.00015	-.00129	.00082	-.00052

AMES 118-1-87 OA145C 01 (R2H053) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 54/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	-6.346	.40800	.08680	.37090	.19090	-.02240	.08640	.00380	.00980	.03960	.00060
3.001	-4.237	.40600	.08860	.36850	.19200	-.01940	.05360	.00480	.00540	.02370	-.00080
3.001	-2.127	.40480	.09020	.36690	.19320	-.01680	.02660	.00380	.00220	.03190	-.01260
3.001	-1.061	.40450	.09010	.36670	.19300	-.01620	.01330	.00300	.00070	.04010	-.00340
3.001	-.005	.40470	.09050	.36680	.19360	-.01540	-.00090	.00240	-.00110	.03610	-.00840
3.001	1.056	.40430	.09050	.36640	.19340	-.01570	-.01510	.00170	-.00290	.01710	-.00740
3.001	2.123	.40470	.09100	.36660	.19410	-.01560	-.02910	.00100	-.00450	.03400	-.01050
3.001	3.196	.40470	.09090	.36660	.19400	-.01600	-.04070	-.00040	-.00570	.03400	-.01050
3.001	4.277	.40570	.09040	.36770	.19390	-.01720	-.05730	-.00010	-.00780	.02450	-.01000
3.001	6.377	.40660	.08980	.36870	.19350	-.01880	-.08910	.00040	-.01170	.02180	-.00720
	GRADIENT	-.00004	.00021	-.00010	.00022	.00025	-.01295	-.00064	-.00154	-.00008	-.00083

AMES 118-1-87 OA145C 01 (R2H054) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 55/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	-6.378	.59150	.07980	.52760	.27910	-.03090	.08090	.00770	.01060	.02450	-.01000
3.001	-4.295	.59120	.08120	.52670	.28060	-.02870	.04990	.00740	.00600	.02450	-.01000
3.001	-2.201	.59070	.08380	.52510	.28330	-.02490	.02260	.00590	.00210	.02690	-.00760
3.001	-1.132	.59030	.08410	.52450	.28360	-.02480	.01090	.00410	.00050	.04350	-.01100
3.001	-.068	.59160	.08390	.52560	.28430	-.02490	-.00040	.00200	-.00090	.03400	-.01050
3.001	1.016	.59170	.08400	.52550	.28470	-.02490	-.01230	.00000	-.00240	.02950	-.01500
3.001	2.076	.59010	.08330	.52440	.28320	-.02540	-.02370	-.00200	-.00380	.03190	-.01260
3.001	3.145	.58990	.08230	.52460	.28220	-.02650	-.03660	-.00340	-.00540	.01980	-.01020
3.001	4.205	.59070	.08170	.52550	.28190	-.02810	-.05090	-.00420	-.00730	.02640	-.00710
3.001	6.304	.58900	.08100	.52430	.28050	-.02940	-.08180	-.00480	-.01160	.01900	-.00450
	GRADIENT	-.00008	-.00003	-.00013	.00007	-.00000	-.01155	-.00151	-.00150	-.00049	-.00003

AMES 118-1-87 OA145C 01 (R2H055) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 51/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	-22.746	.40230	.09920	.36240	.20090	-.00480	-.04120	.00740	-.00840	.02900	-.00550
3.001	-17.927	.40470	.09680	.36540	.19920	-.00850	-.03890	.00620	-.00770	.03850	-.00600
3.001	-14.936	.40570	.09540	.36670	.19820	-.01060	-.03710	.00520	-.00710	.02160	-.00290
3.001	-9.494	.40730	.09330	.36880	.19650	-.01370	-.03350	.00310	-.00580	.03850	-.00600
3.001	-4.946	.40880	.09180	.37060	.19540	-.01600	-.02990	.00100	-.00450	.02900	-.00550
3.001	-2.437	.40890	.09130	.37080	.19500	-.01660	-.02760	-.00030	-.00380	.02380	-.00520
3.001	.044	.40950	.09110	.37140	.19490	-.01720	-.02580	-.00140	-.00310	.04800	-.00650
3.001	2.534	.40980	.09090	.37180	.19490	-.01750	-.02310	-.00280	-.00230	.03130	-.00770
3.001	5.008	.41000	.09100	.37190	.19500	-.01750	-.02080	-.00390	-.00160	.02690	-.00760
3.001	10.010	.40980	.09200	.37160	.19590	-.01630	-.01610	-.00630	-.00030	.04080	-.00820
3.001	14.996	.40900	.09350	.37030	.19710	-.01430	-.01220	-.00840	.00090	.01430	-.00470
3.001	22.834	.40710	.09710	.36760	.20020	-.00950	-.00760	-.01090	.00240	.02180	-.00720
	GRADIENT	.00014	-.00012	.00017	-.00006	-.00020	.00089	-.00050	.00029	.00125	-.00032

AMES 11B-1-87 OA145C 01 (R2H056) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 60/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	.271	-.03980	.11350	-.04040	.11330	-.00220	-.00150	.00000	-.00010	.01330	-.00020
3.001	2.455	.01490	.11100	.01010	.11150	-.00240	-.00030	-.00010	-.00010	.02270	-.00530
3.001	4.995	.08400	.10600	.07450	.11290	-.00290	.00000	.00000	.00000	.02780	-.00570
3.001	7.531	.15820	.10020	.14370	.12000	-.00430	.00000	.00000	.00000	.02910	.00210
3.001	10.064	.23560	.09580	.21520	.13550	-.00560	.00020	.00000	.00010	.01590	-.00760
3.001	12.144	.30040	.09330	.27410	.15440	-.00730	.00070	.00000	.00010	.03060	-.00840
3.001	14.166	.36520	.09070	.33190	.17730	-.00890	.00170	.00000	.00020	.01830	-.00520
3.001	15.148	.39650	.08940	.35930	.18990	-.00960	.00190	.00000	.00010	.01830	-.00520
3.001	16.212	.43360	.08810	.39170	.20560	-.01090	.00220	-.00010	.00020	.03060	-.00840
3.001	18.194	.50390	.08540	.45210	.23840	-.01370	.00230	.00000	.00030	.01830	-.00520
3.001	20.268	.58060	.08260	.51610	.27860	-.01700	.00250	.00000	.00030	.01560	-.00240
3.001	22.758	.67620	.07900	.59300	.33440	-.02130	.00250	.00000	.00030	.00880	-.00470
3.001	25.441	.78340	.07470	.67530	.40390	-.02680	.00230	.00020	.00040	.02780	-.00570
	GRADIENT	.02623	-.00160	.02435	-.00007	-.00015	.00031	.00000	.00002	.00304	-.00114

RUN NO. 187/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.498	4.805	.06870	.09300	.06070	.09850	-.00580	-.00080	.00030	-.00020	.03580	-.00880
3.498	7.293	.13620	.08810	.12390	.10470	-.00600	-.00040	.00040	-.00020	.04250	-.00650
3.498	9.776	.20460	.08480	.18720	.11830	-.00580	-.00010	.00040	-.00010	.01400	-.00500
3.498	11.808	.26260	.08270	.24010	.13460	-.00620	.00080	.00030	-.00010	.03820	-.00630
3.498	13.853	.32300	.08030	.29440	.15530	-.00710	.00150	.00040	-.00010	.02350	-.00550
3.498	14.884	.35450	.07910	.32230	.16750	-.00740	.00220	.00040	.00000	.05200	-.00700
3.498	15.871	.38490	.07800	.34890	.18030	-.00800	.00260	.00040	.00000	.00230	-.00230
3.498	17.877	.45030	.07570	.40530	.21030	-.00900	.00300	.00040	.00000	.01640	-.00260
3.498	19.917	.52180	.07380	.46550	.24720	-.01050	.00300	.00030	.00000	.01920	-.00530
3.498	22.448	.61450	.07060	.54100	.29990	-.01290	.00270	.00030	.00000	.03300	-.00600
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (R2H057) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 59/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	.282	-.02990	.11600	-.03040	.11590	-.01340	-.00130	-.00010	-.00010	.02720	-.00080
3.001	2.472	.02800	.11360	.02310	.11470	-.01480	-.00040	.00000	-.00010	.02990	-.00360
3.001	4.987	.09690	.10930	.08700	.11740	-.01700	.00020	.00000	-.00010	.02720	-.00080
3.001	7.528	.17380	.10480	.15850	.12660	-.02080	.00000	.00000	.00000	.00660	-.00240
3.001	10.053	.25250	.10110	.23100	.14360	-.02470	.00000	.00000	.00010	.03230	-.00120
3.001	12.120	.32000	.09900	.29210	.16400	-.02880	.00010	.00000	.00010	.01330	-.00020
3.001	14.144	.38680	.09710	.35140	.18870	-.03300	.00130	.00000	.00020	.01090	-.00260
3.001	15.174	.42130	.09650	.38130	.20340	-.03500	.00140	.00000	.00020	.01090	-.00260
3.001	16.155	.45560	.09530	.41110	.21830	-.03730	.00190	-.00010	.00020	.01770	-.00030
3.001	18.176	.52940	.09340	.47390	.25390	-.04280	.00260	-.00010	.00030	.00880	-.00470
3.001	20.223	.60720	.09180	.53800	.29600	-.04900	.00270	.00000	.00030	.03940	-.00410
3.001	22.751	.70750	.08940	.61780	.35610	-.05730	.00270	.00000	.00030	.01090	-.00260
3.001	25.430	.81820	.08620	.70190	.42920	-.06670	.00260	.00020	.00050	.01090	-.00260
	GRADIENT	.02696	-.00143	.02496	.00034	-.00077	.00032	.00002	.00000	-.00003	.00003

RUN NO. 188/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.498	4.810	.07950	.09570	.07120	.10200	-.01720	-.00070	.00040	-.00020	.03510	-.00390
3.498	7.316	.14840	.09150	.13550	.10960	-.01940	-.00010	.00040	-.00020	.03080	-.00380
3.498	9.772	.21910	.08890	.20090	.12480	-.02190	-.00020	.00040	-.00010	.03510	-.00390
3.498	11.796	.27930	.08730	.25550	.14260	-.02470	.00070	.00030	-.00010	.02130	-.00330
3.498	13.800	.34190	.08590	.31150	.16500	-.02830	.00130	.00040	-.00010	.04250	-.00650
3.498	14.862	.37430	.08510	.33990	.17830	-.03000	.00170	.00040	-.00010	.03080	-.00380
3.498	15.865	.40700	.08440	.36850	.19240	-.03190	.00230	.00040	.00000	.05200	-.00700
3.498	17.864	.47410	.08290	.42590	.22430	-.03590	.00270	.00040	.00000	.02590	-.00310
3.498	19.904	.54770	.08190	.48710	.26340	-.04020	.00320	.00030	.00010	.03300	-.00600
3.498	22.442	.64440	.07970	.56520	.31960	-.04660	.00270	.00030	.00000	.03300	-.00600
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (R2H058) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	22.500
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 58/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	.273	-.02620	.11740	-.02680	.11730	-.01690	-.00140	.00000	-.00010	.03730	-.00620
3.001	2.003	.01910	.11550	.01510	.11610	-.01820	-.00020	.00000	-.00010	.02720	-.00080
3.001	4.974	.10030	.11090	.09030	.11910	-.02120	-.00010	.00000	-.00010	.03220	-.00580
3.001	7.558	.17890	.10670	.16340	.12930	-.02570	-.00010	.00000	.00000	.02040	-.00310
3.001	10.110	.25950	.10330	.23730	.14720	-.03040	-.00020	.00000	.00010	.01770	-.00030
3.001	12.166	.32750	.10150	.29870	.16820	-.03530	.00010	.00000	.00010	.02560	-.00340
3.001	14.180	.39520	.10010	.35870	.19380	-.04010	.00090	.00000	.00020	.02960	.00160
3.001	15.157	.42780	.09960	.38680	.20790	-.04230	.00110	.00010	.00010	.01090	-.00260
3.001	16.165	.46330	.09870	.41750	.22380	-.04510	.00150	.00000	.00020	.02440	.00190
3.001	18.220	.53900	.09730	.48160	.26100	-.05160	.00240	.00000	.00030	.01770	-.00030
3.001	20.274	.61710	.09600	.54560	.30380	-.05850	.00250	.00010	.00030	.03270	-.00630
3.001	22.750	.71650	.09410	.62440	.36390	-.06730	.00280	.00010	.00030	.02680	.00430
3.001	25.435	.82890	.09180	.70910	.43890	-.07760	.00270	.00020	.00050	.01770	-.00030
	GRADIENT	.02696	-.00140	.02496	.00045	-.00093	.00025	.00000	.00000	-.00078	-.00011

AMES 118-1-87 OA145C 01 (R2H059) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 56/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	-11.761	.23830	.09590	.21770	.13640	-.00560	.00020	.00000	.00000	.03060	-.00290
3.001	-8.000	.23930	.09570	.21870	.13630	-.00650	.00010	.00000	.00000	.03060	-.00290
3.001	-5.979	.24030	.09580	.21970	.13660	-.00730	.00010	.00000	.00000	.01680	-.00220
3.001	-3.921	.24130	.09600	.22060	.13690	-.00830	.00020	.00000	.00000	.01900	-.00450
3.001	-2.011	.24180	.09600	.22110	.13710	-.00910	.00010	.00000	.00000	.01160	-.00740
3.001	.029	.24280	.09610	.22200	.13730	-.01040	.00000	.00000	.00000	.01360	-.01540
3.001	1.940	.24410	.09650	.22330	.13790	-.01150	.00030	-.00010	.00000	-.01940	-.02390
3.001	4.007	.24540	.09700	.22450	.13870	-.01310	.00010	.00000	.00000	.02380	-.00520
3.001	6.010	.24690	.09740	.22590	.13930	-.01470	.00000	.00000	.00000	.03800	-.01100
3.001	8.010	.24830	.09780	.22720	.14000	-.01650	.00000	.00000	.00010	.03610	-.01390
3.001	12.070	.25200	.09940	.23060	.14220	-.02030	.00000	.00000	.00000	.00680	-.00680
3.001	16.339	.25600	.10100	.23420	.14450	-.02480	-.00010	.00000	.00010	.02660	-.01340
3.001	22.594	.26110	.10340	.23890	.14780	-.03040	-.00010	.00000	.00000	.02780	-.00570
	GRADIENT	.00053	.00013	.00051	.00022	-.00061	-.00000	-.00000	.00000	-.00102	-.00088

AMES 118-1-87 OA145C 01 (R2H060) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 35/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-11.761	.39730	.08980	.36010	.19040	-.00980	.00330	.00000	.00030	.01930	-.00620
3.000	-8.000	.39880	.08960	.36150	.19070	-.01110	.00340	.00000	.00030	.03330	-.00220
3.000	-5.938	.39990	.08970	.36260	.19100	-.01230	.00320	.00000	.00030	.03830	-.00720
3.000	-3.903	.40080	.08960	.36350	.19120	-.01330	.00320	.00000	.00030	.01430	-.00120
3.000	-2.022	.40210	.08970	.36470	.19160	-.01480	.00330	.00000	.00030	.00480	-.00070
3.000	.019	.40330	.09010	.36580	.19230	-.01620	.00320	.00000	.00030	.03830	-.00720
3.000	1.969	.40490	.09070	.36720	.19330	-.01790	.00320	.00000	.00030	.02180	-.00380
3.000	3.986	.40650	.09110	.36860	.19410	-.01980	.00340	.00000	.00030	.00480	-.00070
3.000	6.020	.40870	.09160	.37060	.19520	-.02190	.00320	.00000	.00030	.03330	-.00220
3.000	7.990	.41030	.09230	.37190	.19630	-.02410	.00330	.00000	.00030	.00760	-.00340
3.000	12.100	.41520	.09410	.37620	.19930	-.02920	.00300	.00000	.00030	.03330	-.00220
3.000	16.339	.42050	.09620	.38080	.20270	-.03490	.00290	.00000	.00030	.02880	-.00670
3.000	22.604	.42740	.09950	.38660	.20760	-.04230	.00250	.00010	.00040	.02380	-.00170
	GRADIENT	.00072	.00020	.00064	.00038	-.00081	.00002	.00000	.00000	-.00009	-.00011

RUN NO. 177/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.496	-11.772	.35140	.07920	.31960	.16630	-.00750	.00190	.00040	.00000	.03270	-.00080
3.496	-8.041	.35280	.07920	.32080	.16670	-.00870	.00180	.00040	.00000	.03270	-.00080
3.496	-6.040	.35340	.07920	.32150	.16690	-.00950	.00190	.00040	.00000	.03490	-.00310
3.496	-3.912	.35450	.07920	.32240	.16720	-.01050	.00200	.00040	.00000	.03030	-.00330
3.496	-1.990	.35570	.07940	.32360	.16760	-.01160	.00170	.00040	-.00010	.03270	-.00080
3.496	.019	.35680	.07950	.32460	.16800	-.01280	.00170	.00040	-.00010	.02540	-.00260
3.496	1.969	.35830	.08000	.32600	.16890	-.01430	.00190	.00040	.00000	.04220	-.00130
3.496	4.040	.35970	.08030	.32730	.16950	-.01600	.00190	.00040	.00000	.03940	.00140
3.496	6.010	.36140	.08080	.32880	.17040	-.01770	.00170	.00040	.00000	.02990	.00190
3.496	8.020	.36330	.08130	.33050	.17140	-.01980	.00180	.00030	.00000	.03490	-.00310
3.496	12.100	.36780	.08290	.33440	.17420	-.02440	.00160	.00040	-.00010	.03730	-.00070
3.496	16.339	.37250	.08490	.33840	.17720	-.03000	.00150	.00040	.00000	.03490	-.00310
3.496	22.594	.37890	.08790	.34390	.18180	-.03690	.00130	.00050	.00000	.02320	-.00030
	GRADIENT	.00065	.00014	.00061	.00030	-.00069	.00000	.00000	.00001	.00139	.00045

AMES 118-1-87 OA145C 01 (R2H061) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 57/ 0. RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	-11.761	.58170	.08260	.51700	.27920	-.01690	.00240	.00000	.00030	.02920	-.01530
3.001	-8.020	.58380	.08270	.51890	.28010	-.01880	.00240	.00000	.00030	.00950	-.00950
3.001	-5.969	.58530	.08280	.52020	.28070	-.02040	.00240	-.00010	.00030	.03190	-.01810
3.001	-3.921	.58620	.08290	.52100	.28120	-.02180	.00240	.00000	.00030	.00950	-.00950
3.001	-2.011	.58790	.08320	.52250	.28200	-.02360	.00240	.00000	.00030	.02110	-.00790
3.001	.019	.58960	.08350	.52410	.28280	-.02550	.00230	.00000	.00030	.03610	-.01390
3.001	1.960	.59170	.08390	.52590	.28400	-.02780	.00240	.00000	.00030	.02730	-.01830
3.001	4.029	.59400	.08460	.52780	.28550	-.03010	.00240	.00000	.00030	.03680	-.01870
3.001	6.000	.59630	.08500	.52970	.28660	-.03270	.00230	.00000	.00030	.03510	-.00390
3.001	8.020	.59840	.08590	.53140	.28820	-.03550	.00230	.00000	.00030	.03510	-.00390
3.001	12.100	.60460	.08830	.53650	.29250	-.04200	.00220	.00000	.00030	.04060	-.00940
3.001	16.328	.61050	.09110	.54100	.29720	-.04910	.00210	.00010	.00030	.01130	-.00220
3.001	22.585	.61900	.09590	.54730	.30470	-.05840	.00200	.00010	.00030	.02180	-.01280
	GRADIENT	.00098	.00021	.00086	.00053	-.00105	-.00000	.00000	.00000	.00306	-.00145

AMES 118-1-87 OA145C 01 (R2H062) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -35.000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 73/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	.267	-.09880	.13280	-.09950	.13230	.03460	-.00120	-.00010	-.00020	-34.96200	.00900
3.001	1.942	-.05290	.12930	-.05720	.12740	.03230	.00020	-.00010	-.00010	-34.99600	.00510
3.001	3.971	.00220	.12580	-.00650	.12570	.03210	.00050	-.00020	-.00010	-34.97200	.00880
3.001	5.963	.06120	.11910	.04850	.12480	.03010	.00070	-.00020	-.00010	-34.96400	.01170
3.001	7.982	.12110	.11460	.10400	.13030	.02970	.00080	-.00030	.00000	-34.96400	.01170
3.001	10.031	.18310	.11050	.16100	.14070	.02970	.00100	-.00020	.00010	-34.98300	.00820
3.001	12.108	.24350	.10740	.21560	.15610	.03090	.00110	-.00020	.00010	-34.95600	.01460
3.001	14.127	.30720	.10380	.27260	.17570	.03060	.00180	-.00010	.00020	-34.97500	.00590
3.001	15.164	.34010	.10160	.30170	.18700	.03040	.00180	-.00010	.00010	-34.95400	.01230
3.001	16.145	.37320	.09980	.33080	.19960	.02990	.00210	-.00020	.00010	-34.93800	.01280
3.001	18.182	.44470	.09480	.39300	.22880	.02820	.00290	-.00050	.00010	-34.97500	.00590
3.001	20.216	.51690	.09120	.45350	.26420	.02690	.00270	-.00020	.00020	-34.98000	.00530
3.001	22.216	.59020	.08840	.51300	.30500	.02590	.00270	-.00010	.00030	-34.98300	.00790
3.001	26.366	.74990	.08040	.63620	.40510	.02280	.00250	.00010	.00030	-34.97500	.00560
3.001	29.826	.88650	.07420	.73220	.50520	.02290	.00290	.00010	.00040	-34.98800	.00240
	GRADIENT	.02726	-.00188	.02510	-.00175	-.00065	.00045	-.00003	.00003	-.00319	.00001

AMES 118-1-87 OA145C 01 (R2H063) (25 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 20.000
AILRON = .000 BDFLAP = 22.500
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 74/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.001	.272	.01890	.13100	.01830	.13110	-.05390	-.00110	-.00010	-.00010	20.01400	-.02410
3.001	1.915	.06560	.13110	.06120	.13320	-.05740	.00010	-.00020	-.00010	20.02100	-.02180
3.001	3.968	.12460	.13040	.11520	.13870	-.06200	.00000	-.00010	.00000	20.01900	-.02430
3.001	5.987	.18690	.12820	.17250	.14700	-.06910	.00000	-.00020	.00010	20.02600	-.02160
3.001	8.013	.25350	.12780	.23320	.16180	-.07590	-.00010	-.00010	.00010	20.02400	-.02410
3.001	10.052	.32380	.12770	.29650	.18220	-.08420	.00000	-.00010	.00010	20.01200	-.02180
3.001	12.147	.39780	.12890	.36180	.20980	-.09360	.00010	-.00010	.00020	20.00900	-.02430
3.001	14.152	.47320	.12960	.42710	.24140	-.10380	-.00020	.00000	.00020	20.01900	-.02430
3.001	15.174	.51180	.13010	.45990	.25950	-.10890	.00010	.00000	.00010	20.01600	-.02160
3.001	16.158	.55020	.13070	.49210	.27860	-.11470	.00040	.00000	.00020	20.02400	-.01930
3.001	18.186	.62970	.13220	.55700	.32210	-.12650	.00130	.00010	.00020	20.01400	-.02410
3.001	20.234	.71340	.13420	.62290	.37270	-.13890	.00220	.00010	.00030	20.00600	-.02160
3.001	22.222	.79930	.13670	.68820	.42890	-.15140	.00290	.00020	.00030	20.01600	-.02160
3.001	26.308	.98350	.14010	.81960	.56150	-.17820	.00310	.00040	.00040	20.00900	-.02390
3.001	29.813	1.14830	.14310	.92520	.69500	-.20130	.00340	.00030	.00050	20.02600	-.02160
	GRADIENT	.02860	-.00017	.02622	.00208	-.00219	.00028	.00000	.00003	.00126	-.00010

AMES 118-1-87 OA145C 01 (R2H064) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 100/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.186	-.03180	.10380	-.03220	.10370	-.01900	-.00060	-.00010	-.00010	.02190	.00090
3.000	2.533	.02900	.10150	.02450	.10260	-.01910	.00040	-.00010	-.00010	.03140	.00040
3.000	4.984	.09470	.09710	.08590	.10500	-.01970	.00010	.00000	.00000	.04830	-.00270
3.000	7.567	.17080	.09240	.15710	.11410	-.02120	.00040	-.00010	.00010	.03660	.00010
3.000	10.029	.24590	.08830	.22680	.12980	-.02230	.00100	-.00010	.00020	.03920	-.00180
3.000	12.118	.31180	.08610	.28680	.14960	-.02400	.00150	.00000	.00020	.02710	.00060
3.000	14.172	.37800	.08370	.34600	.17370	-.02640	.00240	.00000	.00030	.02690	.00140
3.000	15.190	.41090	.08260	.37490	.18740	-.02730	.00300	.00000	.00040	.04690	-.00960
3.000	16.163	.44510	.08170	.40480	.20240	-.02850	.00350	.00000	.00040	.02420	.00420
3.000	18.186	.51690	.07940	.46630	.23670	-.03120	.00380	.00010	.00040	.04590	.00040
3.000	20.237	.59250	.07720	.52920	.27740	-.03430	.00350	.00010	.00040	.01470	.00470
3.000	22.737	.68920	.07480	.60670	.33540	-.03880	.00330	.00000	.00040	.02180	.00180
3.000	25.427	.79680	.07180	.68880	.40700	-.04390	.00300	.00010	.00050	.04080	.00080
	GRADIENT	.02637	-.00140	.02462	.00028	-.00015	.00014	.00002	.00002	.00551	-.00075

AMES 118-1-87 OA145C 01 (R2H065) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 106/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.291	.25630	.08920	.23660	.13290	-.02670	.08900	.00140	.00770	.04270	.00720
3.000	-4.198	.25280	.08940	.23320	.13240	-.02440	.05720	.00230	.00460	.01850	.00850
3.000	-2.072	.25030	.08910	.23090	.13150	-.02320	.02890	.00140	.00230	.04230	.00680
3.000	-1.003	.24830	.08880	.22900	.13080	-.02250	.01530	.00070	.00130	.04700	.00700
3.000	.071	.24920	.08830	.22980	.13070	-.02250	.00110	-.00010	.00020	.01850	.00850
3.000	1.157	.25040	.08840	.23090	.13120	-.02280	-.01300	-.00090	-.00090	.03090	.00090
3.000	2.179	.25070	.08870	.23110	.13160	-.02330	-.02660	-.00160	-.00200	.03540	.00540
3.000	3.217	.25180	.08910	.23200	.13230	-.02380	-.04060	-.00210	-.00310	.02870	.00320
3.000	4.254	.25310	.08910	.23330	.13260	-.02450	-.05490	-.00220	-.00430	.02160	.00610
3.000	6.392	.25500	.08880	.23520	.13270	-.02710	-.08790	-.00100	-.00750	.02420	-.00130
	GRADIENT	.00013	-.00003	.00009	.00006	-.00004	-.01321	-.00059	-.00104	-.00042	-.00050

AMES 118-1-87 OA145C 01 (R2H066) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 104/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.323	.41620	.08190	.37980	.18900	-.03040	.08500	.00450	.00940	.02660	.00110
3.000	-4.243	.41500	.08230	.37860	.18890	-.02900	.05520	.00420	.00590	.03090	.00090
3.000	-2.123	.41440	.08300	.37790	.18930	-.02780	.02930	.00230	.00320	.01920	.00370
3.000	-1.065	.41430	.08250	.37790	.18890	-.02760	.01730	.00100	.00200	.02140	.00140
3.000	-.009	.41170	.08260	.37560	.18780	-.02730	.00360	.00000	.00040	.02380	.00380
3.000	1.099	.41160	.08270	.37550	.18780	-.02750	-.01050	-.00110	-.00130	.02160	.00610
3.000	2.144	.41210	.08320	.37580	.18840	-.02790	-.02330	-.00230	-.00260	.02870	.00320
3.000	3.199	.41210	.08280	.37590	.18810	-.02850	-.03470	-.00370	-.00370	.03110	.00560
3.000	4.252	.41260	.08240	.37650	.18790	-.02960	-.04990	-.00390	-.00540	.02870	.00320
3.000	6.371	.41290	.08220	.37680	.18780	-.03070	-.08150	-.00410	-.00900	.02660	.00110
	GRADIENT	-.00037	.00003	-.00033	-.00015	-.00007	-.01230	-.00101	-.00133	.00050	.00036

AMES 118-1-87 OA145C 01 (R2H067) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 103/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.257	.59280	.07560	.52990	.27650	-.03670	.08120	.00780	.01050	.04080	.00080
3.000	-4.173	.59240	.07610	.52940	.27640	-.03590	.05260	.00630	.00670	.02660	.00110
3.000	-2.060	.59270	.07710	.52940	.27750	-.03460	.02700	.00390	.00340	.03400	-.00150
3.000	-.995	.59330	.07720	.52990	.27790	-.03440	.01560	.00210	.00190	.03610	.00060
3.000	.064	.59520	.07730	.53140	.27900	-.03440	.00400	.00000	.00040	.02180	.00180
3.000	1.161	.59550	.07750	.53170	.27920	-.03460	-.00780	-.00210	-.00110	.01430	.00430
3.000	2.171	.59460	.07760	.53100	.27860	-.03480	-.01880	-.00380	-.00240	.03130	.00130
3.000	3.217	.59400	.07710	.53080	.27770	-.03530	-.03150	-.00520	-.00410	.03610	.00060
3.000	4.256	.59450	.07690	.53130	.27770	-.03650	-.04540	-.00620	-.00580	.01430	.00430
3.000	6.339	.59420	.07640	.53130	.27690	-.03740	-.07580	-.00740	-.00980	.02380	.00380
	GRADIENT	.00027	.00009	.00025	.00015	-.00007	-.01140	-.00158	-.00145	-.00093	.00037

AMES 118-1-87 OA145C 01 (R2H068) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 101/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.309	-.02830	.10530	-.02880	.10520	-.01970	-.03550	.00060	-.00120	.02870	.00320
3.000	2.557	.03000	.10170	.02540	.10300	-.01940	-.03120	-.00030	-.00110	.01920	.00370
3.000	5.014	.09630	.09660	.08750	.10460	-.02050	-.02920	-.00110	-.00120	.02590	.00590
3.000	7.878	.18030	.09190	.16600	.11580	-.02180	-.02780	-.00160	-.00140	.03330	.00330
3.000	10.118	.24860	.08880	.22910	.13110	-.02320	-.02680	-.00160	-.00190	.04040	.00040
3.000	12.208	.31410	.08650	.28870	.15090	-.02490	-.02550	-.00180	-.00230	.02180	.00180
3.000	14.202	.37720	.08460	.34500	.17460	-.02660	-.02280	-.00250	-.00220	.02980	-.00570
3.000	15.251	.41190	.08320	.37560	.18860	-.02790	-.02390	-.00240	-.00270	.02870	.00320
3.000	16.229	.44560	.08190	.40490	.20320	-.02910	-.02240	-.00260	-.00270	.02160	.00610
3.000	18.206	.51510	.08010	.46420	.23700	-.03160	-.02070	-.00330	-.00260	.01950	.00400
3.000	20.342	.59440	.07730	.53040	.27910	-.03500	-.01980	-.00390	-.00250	.01640	.00640
3.000	22.857	.69150	.07440	.60830	.33720	-.03930	-.01850	-.00470	-.00230	.02320	.00870
3.000	25.470	.79720	.07190	.68880	.40780	-.04460	-.01720	-.00560	-.00200	.03610	.00060
	GRADIENT	.02594	-.00160	.02411	-.00098	.00013	.00191	-.00040	.00004	-.00423	.00022

AMES 118-1-87 OA145C 01 (R2H069) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RN/L =	2.500		

RUN NO. 107/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-9.494	.24760	.08950	.22810	.13160	-.02030	-.00530	.00400	-.00220	.02380	.00380
3.000	-4.926	.24890	.08840	.22950	.13080	-.02200	-.00240	.00200	-.00110	.03330	.00330
3.000	-2.427	.24930	.08820	.22990	.13070	-.02230	-.00050	.00090	-.00040	.04280	.00280
3.000	.018	.24910	.08820	.22970	.13060	-.02240	.00080	-.00010	.00010	.01430	.00430
3.000	2.534	.24900	.08830	.22960	.13060	-.02240	.00300	-.00120	.00080	.03130	.00130
3.000	4.998	.24900	.08860	.22960	.13090	-.02210	.00490	-.00230	.00140	.02450	-.00100
3.000	10.021	.24730	.08970	.22770	.13170	-.02060	.00870	-.00440	.00270	.02690	.00140
	GRADIENT	-.00000	.00002	-.00000	.00000	-.00001	.00073	-.00043	.00025	-.00116	-.00041

AMES 118-1-87 OA145C 01 (R2H070) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 108/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-22.735	.40530	.08920	.36780	.19220	-.01810	-.01180	.00810	-.00440	.04060	.00510
3.000	-17.947	.40680	.08700	.36990	.19040	-.02140	-.00920	.00660	-.00350	.03540	.00540
3.000	-14.936	.40760	.08580	.37100	.18950	-.02300	-.00760	.00570	-.00300	.02590	.00590
3.000	-9.494	.40890	.08370	.37270	.18780	-.02530	-.00410	.00380	-.00180	.02590	.00590
3.000	-4.936	.40940	.08280	.37350	.18710	-.02670	-.00070	.00200	-.00080	.03820	.00270
3.000	.009	.40980	.08250	.37400	.18690	-.02710	.00290	.00000	.00040	.02380	.00380
3.000	2.504	.41020	.08250	.37430	.18700	-.02710	.00470	-.00090	.00090	.03300	.00300
3.000	5.008	.41010	.08290	.37410	.18740	-.02690	.00690	-.00190	.00150	.03540	.00540
3.000	10.010	.41010	.08410	.37380	.18850	-.02560	.01040	-.00380	.00260	.02590	.00590
3.000	15.017	.40900	.08570	.37230	.18970	-.02340	.01410	-.00560	.00370	.01920	.00370
3.000	22.811	.40690	.08910	.36940	.19250	-.01860	.01860	-.00810	.00520	.02370	.00820
	GRADIENT	.00010	-.00004	.00011	-.00002	-.00006	.00073	-.00039	.00023	-.00101	.00007

AMES 118-1-87 OA145C 01 (R2H071) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 109/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-9.485	.59150	.07810	.52790	.27800	-.03290	-.00280	.00290	-.00140	.02380	.00380
3.000	-4.926	.59260	.07730	.52920	.27770	-.03390	-.00010	.00160	-.00060	.02380	.00380
3.000	-2.427	.59260	.07700	.52930	.27740	-.03430	.00140	.00080	-.00010	.02870	.00320
3.000	.027	.59260	.07700	.52930	.27730	-.03430	.00250	.00010	.00030	.03330	.00330
3.000	2.504	.59270	.07720	.52940	.27760	-.03430	.00400	-.00070	.00090	.02870	.00320
3.000	5.018	.59260	.07740	.52920	.27780	-.03410	.00610	-.00140	.00130	.04560	.00010
3.000	10.021	.59230	.07830	.52860	.27850	-.03290	.00900	-.00290	.00220	.03330	.00330
	GRADIENT	.00001	-.00001	.00002	-.00002	-.00005	.00054	-.00031	.00020	.00078	-.00007

AMES 118-1-87 OA145C 01 (R2H072) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 110/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-9.494	.40950	.08440	.37300	.18890	-.02560	-.03060	.00140	-.00480	.02380	.00380
3.000	-4.916	.41040	.08330	.37420	.18810	-.02710	-.02740	-.00030	-.00380	.03090	.00090
3.000	-2.437	.41070	.08290	.37460	.18780	-.02750	-.02610	-.00130	-.00320	.03110	.00560
3.000	.027	.41090	.08280	.37480	.18770	-.02790	-.02420	-.00210	-.00270	.02870	.00320
3.000	2.524	.41060	.08290	.37450	.18770	-.02770	-.02230	-.00320	-.00210	.04280	.00280
3.000	5.008	.41090	.08310	.37470	.18800	-.02770	-.02030	-.00410	-.00150	.03110	.00560
3.000	10.010	.41120	.08400	.37480	.18900	-.02660	-.01720	-.00580	-.00050	.02160	.00610
	GRADIENT	.00003	-.00005	.00004	-.00005	-.00009	.00069	-.00038	.00023	.00135	.00013

AMES 118-1-87 OA145C 01 (R2H073) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 105/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.314	.41320	.08150	.37720	.18720	-.03080	.08230	.00600	.00840	.03330	.00330
3.000	-4.208	.41180	.08220	.37580	.18730	-.02920	.05140	.00590	.00470	.03330	.00330
3.000	-2.092	.41090	.08320	.37470	.18800	-.02730	.02560	.00410	.00200	.01710	.00160
3.000	-1.054	.41090	.08280	.37480	.18770	-.02700	.01360	.00280	.00090	.03820	.00270
3.000	.014	.41090	.08270	.37480	.18770	-.02670	-.00050	.00180	-.00080	.03110	.00560
3.000	1.095	.41060	.08290	.37450	.18770	-.02690	-.01410	.00070	-.00250	.03610	.00060
3.000	2.148	.41110	.08340	.37480	.18840	-.02710	-.02700	-.00050	-.00380	.02380	.00380
3.000	3.199	.41120	.08330	.37490	.18830	-.02750	-.03890	-.00180	-.00490	.04060	.00510
3.000	4.263	.41210	.08300	.37580	.18840	-.02840	-.05420	-.00200	-.00660	.02380	.00380
3.000	6.374	.41280	.08310	.37650	.18870	-.02930	-.08460	-.00240	-.01000	.03090	.00090
	GRADIENT	.00003	.00009	-.00001	.00012	.00007	-.01240	-.00099	-.00134	.00006	.00018

AMES 118-1-87 OA145C 01 (R2H074) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	BETA =	.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPOBRK =	25.000	RUDDER =	-5.000
SCALE =	.0500					RN/L =	2.500		

RUN NO. 1027 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.182	-.03220	.10450	-.03250	.10440	-.01840	-.00510	.00250	-.00160	.03300	.00300
3.000	2.532	.02890	.10200	.02430	.10320	-.01850	-.00350	.00230	-.00150	.02560	.00560
3.000	5.033	.09570	.09760	.08680	.10560	-.01920	-.00400	.00230	-.00140	.03750	.00750
3.000	8.940	.21270	.09040	.19600	.12240	-.02100	-.00260	.00210	-.00110	.01850	.00850
3.000	10.131	.24910	.08880	.22960	.13120	-.02180	-.00230	.00200	-.00100	.03300	.00300
3.000	12.128	.31180	.08660	.28660	.15020	-.02340	-.00130	.00190	-.00090	.02450	-.00100
3.000	14.150	.37660	.08420	.34460	.17370	-.02570	-.00050	.00180	-.00070	.03330	.00330
3.000	15.209	.41070	.08310	.37450	.18790	-.02670	-.00020	.00180	-.00070	.03090	.00090
3.000	16.169	.44530	.08220	.40480	.20290	-.02800	.00020	.00180	-.00060	.03540	.00540
3.000	18.190	.51680	.07980	.46610	.23710	-.03070	.00050	.00170	-.00050	.02380	.00380
3.000	20.258	.59260	.07760	.52900	.27800	-.03390	.00050	.00150	-.00050	.04080	.00080
3.000	22.740	.68820	.07520	.60570	.33540	-.03840	.00060	.00120	-.00030	.03160	-.00390
3.000	25.440	.79650	.07230	.68820	.40740	-.04350	.00070	.00110	-.00020	.03400	-.00150
	GRADIENT	.02600	-.00106	.02417	-.00051	-.00004	.00068	-.00009	.00004	-.00317	.00111

AMES 118-1-87 OA145C 01 (R2H075) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 111/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-11.761	.40880	.08170	.37290	.18650	-.02080	.00300	.00000	.00030	.03610	.00060
3.000	-7.990	.40990	.08190	.37380	.18690	-.02230	.00300	.00000	.00030	.04280	.00280
3.000	-5.969	.41060	.08190	.37450	.18720	-.02320	.00310	.00000	.00030	.03330	.00330
3.000	-3.884	.41210	.08210	.37590	.18770	-.02460	.00310	.00000	.00030	.05230	.00230
3.000	-2.001	.41330	.08220	.37710	.18820	-.02590	.00320	.00000	.00030	.02380	.00380
3.000	.019	.41470	.08250	.37830	.18880	-.02740	.00300	.00000	.00030	.01710	.00160
3.000	1.960	.41650	.08280	.37990	.18950	-.02910	.00300	.00000	.00030	.02380	.00380
3.000	4.040	.41790	.08320	.38120	.19030	-.03100	.00280	.00000	.00030	.04280	.00280
3.000	6.000	.41970	.08380	.38280	.19140	-.03320	.00270	.00010	.00030	.02140	.00140
3.000	8.000	.42220	.08450	.38500	.19270	-.03530	.00270	.00010	.00030	.03330	.00330
3.000	12.110	.42670	.08620	.38890	.19550	-.04050	.00270	.00010	.00030	.06180	.00180
3.000	16.359	.43200	.08870	.39340	.19930	-.04630	.00250	.00010	.00030	.04280	.00280
3.000	22.594	.43900	.09190	.39930	.20430	-.05380	.00230	.00010	.00030	.02380	.00380
	GRADIENT	.00075	.00014	.00068	.00033	-.00081	-.00004	.00000	.00000	-.00090	.00005

AMES 118-1-87 OA145C 01 (R2H076) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 2.500

RUN NO. 139/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.300	-.03330	.10720	-.03390	.10700	-.01320	-.00040	-.00020	-.00010	.04530	-.00370
3.000	2.561	.02580	.10480	.02110	.10580	-.01350	.00080	-.00020	-.00010	.04060	-.00390
3.000	5.032	.09190	.10020	.08280	.10790	-.01420	.00040	-.00020	.00000	.03580	-.00320
3.000	7.582	.16760	.09540	.15360	.11660	-.01590	.00070	-.00010	.00010	.02920	-.00980
3.000	10.113	.24480	.09130	.22490	.13280	-.01760	.00090	-.00020	.00020	.03330	-.00570
3.000	12.149	.30950	.08900	.28390	.15220	-.01960	.00150	-.00010	.00020	.03110	-.00340
3.000	14.126	.37280	.08690	.34030	.17520	-.02190	.00230	-.00010	.00030	.03780	-.00120
3.000	15.176	.40680	.08550	.37030	.18900	-.02290	.00290	.00000	.00030	.03780	-.00120
3.000	16.155	.44180	.08440	.40090	.20400	-.02430	.00360	-.00010	.00040	.01880	-.00020
3.000	18.180	.51380	.08200	.46250	.23820	-.02750	.00390	.00000	.00040	.01880	-.00020
3.000	20.237	.58920	.07970	.52530	.27860	-.03110	.00360	.00000	.00030	.04730	-.00170
3.000	22.741	.68630	.07700	.60320	.33630	-.03580	.00330	.00000	.00040	.01950	-.00500
3.000	25.409	.79370	.07360	.68540	.40700	-.04180	.00280	.00010	.00040	.03560	.00110
	GRADIENT	.02615	-.00106	.02433	-.00053	-.00013	.00053	.00000	.00000	-.00208	-.00009

AMES 118-1-87 OA145C 01 (R2H077) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 2.500

RUN NO. 141/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.312	.41140	.08410	.37470	.18950	-.02650	.08670	.00310	.01010	.04580	-.00420
3.000	-4.235	.40960	.08490	.37280	.18960	-.02490	.05640	.00330	.00630	.02900	-.00550
3.000	-2.103	.40890	.08570	.37200	.19010	-.02340	.03010	.00180	.00340	.02680	-.00320
3.000	-1.047	.40890	.08530	.37210	.18960	-.02340	.01730	.00080	.00200	.03850	-.00600
3.000	-.007	.40860	.08550	.37180	.18970	-.02290	.00370	-.00010	.00030	.03380	-.00620
3.000	1.093	.40790	.08550	.37120	.18950	-.02330	-.01040	-.00100	-.00150	.02660	-.00790
3.000	2.140	.40820	.08590	.37140	.19000	-.02360	-.02350	-.00200	-.00290	.02680	-.00320
3.000	3.245	.40810	.08560	.37130	.18970	-.02410	-.03560	-.00330	-.00410	.04800	-.00650
3.000	4.265	.40870	.08510	.37200	.18950	-.02530	-.05120	-.00320	-.00600	.04130	-.00870
3.000	6.397	.41010	.08450	.37350	.18930	-.02710	-.08390	-.00280	-.00990	.03180	-.00820
	GRADIENT	-.00014	.00004	-.00013	-.00001	-.00005	-.01256	-.00083	-.00144	.00151	-.00031

AMES 118-1-87 OA145C 01 (R2H078) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 2.500

RUN NO. 140/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.323	-.03210	.10910	-.03270	.10890	-.01370	-.03640	.00100	-.00150	.03110	-.00340
3.000	2.560	.02590	.10560	.02120	.10670	-.01370	-.03170	-.00010	-.00130	.02160	-.00290
3.000	5.041	.09320	.09990	.08410	.10770	-.01500	-.02960	-.00080	-.00140	.04300	-.00150
3.000	7.627	.16890	.09540	.15480	.11700	-.01670	-.02850	-.00120	-.00160	.03080	.00180
3.000	10.159	.24600	.09170	.22600	.13360	-.01830	-.02720	-.00120	-.00220	.02930	-.00520
3.000	12.214	.31100	.08920	.28510	.15300	-.02030	-.02610	-.00130	-.00250	.03560	.00110
3.000	14.234	.37440	.08720	.34140	.17660	-.02220	-.02340	-.00210	-.00250	.03350	-.00100
3.000	15.255	.40870	.08570	.37170	.19030	-.02360	-.02420	-.00210	-.00300	.03780	-.00120
3.000	16.233	.44190	.08450	.40070	.20470	-.02490	-.02270	-.00230	-.00290	.05250	-.00200
3.000	18.213	.51210	.08230	.46080	.23820	-.02750	-.02110	-.00300	-.00280	.04300	-.00150
3.000	20.320	.59040	.07940	.52600	.27950	-.03130	-.01990	-.00390	-.00260	.02830	-.00070
3.000	22.860	.68820	.07620	.60460	.33760	-.03600	-.01830	-.00480	-.00220	.03780	-.00120
3.000	25.485	.79590	.07330	.68690	.40870	-.04210	-.01700	-.00560	-.00200	.02830	-.00070
	GRADIENT	.02593	-.00156	.02410	-.00098	-.00000	.00210	-.00049	.00009	-.00425	.00022

AMES 118-1-87 OA145C 01 (R2H079) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 40.000
RN/L = 2.500

RUN NO. 144/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-9.494	.24480	.09310	.22460	.13470	-.01530	-.00640	.00460	-.00260	.03460	.00560
3.000	-4.936	.24610	.09180	.22610	.13370	-.01700	-.00300	.00230	-.00130	.02780	.00330
3.000	-2.427	.24680	.09150	.22680	.13350	-.01760	-.00070	.00100	-.00050	.03730	.00280
3.000	.018	.24660	.09140	.22670	.13340	-.01780	.00090	-.00020	.00020	.05150	.00250
3.000	2.544	.24640	.09150	.22640	.13340	-.01770	.00370	-.00150	.00100	.05150	.00250
3.000	5.018	.24640	.09180	.22640	.13380	-.01730	.00600	-.00280	.00170	.04200	.00300
3.000	10.010	.24480	.09320	.22450	.13480	-.01540	.01060	-.00530	.00310	.03730	.00280
	GRADIENT	.00003	-.00004	.00003	-.00004	-.00009	.00087	-.00051	.00031	.00342	-.00011

AMES 118-1-87 OA145C 01 (R2H080) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 40.000
RN/L = 2.500

RUN NO. 143/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-22.746	.40610	.09350	.36720	.19710	-.01240	-.01450	.00920	-.00510	.02780	.00330
3.000	-17.927	.40790	.09060	.36960	.19470	-.01630	-.01160	.00760	-.00410	.04680	.00230
3.000	-14.925	.40860	.08900	.37080	.19340	-.01810	-.00970	.00650	-.00360	.03010	.00110
3.000	-9.476	.40980	.08690	.37250	.19160	-.02100	-.00570	.00430	-.00220	.03730	.00280
3.000	-4.936	.41090	.08590	.37380	.19100	-.02260	-.00180	.00220	-.00100	.05630	.00180
3.000	-2.427	.41140	.08570	.37440	.19100	-.02320	.00090	.00100	-.00030	.04680	.00230
3.000	.000	.41160	.08560	.37450	.19080	-.02330	.00260	.00000	.00030	.03960	.00060
3.000	2.504	.41160	.08580	.37450	.19110	-.02300	.00570	-.00130	.00110	.03940	.00490
3.000	4.998	.41150	.08610	.37440	.19140	-.02270	.00800	-.00240	.00180	.02780	.00330
3.000	9.999	.41110	.08730	.37360	.19240	-.02110	.01190	-.00460	.00310	.03940	.00490
3.000	15.038	.41020	.08930	.37220	.19410	-.01830	.01600	-.00670	.00430	.04410	.00510
3.000	22.834	.40750	.09370	.36850	.19770	-.01250	.02120	-.00950	.00590	.02990	.00540
	GRADIENT	.00006	.00002	.00005	.00004	.00000	.00098	-.00046	.00028	-.00260	.00023

AMES 118-1-87 OA145C 01 (R2H081) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 40.000
RN/L = 2.500

RUN NO. 145/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-9.476	.58820	.08090	.52390	.27940	-.02910	-.00440	.00360	-.00180	.03730	.00280
3.000	-4.936	.58970	.08010	.52550	.27930	-.03060	-.00120	.00190	-.00070	.04680	.00230
3.000	-2.427	.59000	.07970	.52600	.27900	-.03090	.00040	.00100	-.00010	.04930	.00470
3.000	.009	.59020	.07970	.52620	.27910	-.03110	.00210	.00010	.00030	.03250	.00350
3.000	2.524	.58990	.07980	.52590	.27900	-.03090	.00420	-.00090	.00090	.04410	.00510
3.000	5.008	.59030	.08000	.52610	.27940	-.03070	.00650	-.00180	.00150	.03960	.00060
3.000	9.999	.58970	.08110	.52520	.28020	-.02910	.01050	-.00370	.00260	.04680	.00230
	GRADIENT	.00003	-.00004	.00006	-.00003	-.00004	.00072	-.00037	.00021	-.00099	.00029

AMES 118-1-87 OA145C 01 (R2H082) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 40.000
RN/L = 2.500

RUN NO. 146/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-22.724	.40220	.09410	.36320	.19660	-.01140	-.04100	.00700	-.00830	.05150	.00250
3.000	-17.927	.40440	.09150	.36600	.19470	-.01520	-.03840	.00560	-.00740	.04680	.00230
3.000	-14.914	.40510	.09010	.36710	.19350	-.01720	-.03650	.00460	-.00680	.05150	.00250
3.000	-9.485	.40680	.08770	.36940	.19160	-.02050	-.03280	.00240	-.00550	.03250	.00350
3.000	-4.936	.40860	.08630	.37150	.19080	-.02270	-.02900	.00030	-.00430	.02510	.00610
3.000	-2.417	.40900	.08600	.37200	.19060	-.02340	-.02690	-.00090	-.00360	.04200	.00300
3.000	.027	.40920	.08570	.37220	.19040	-.02370	-.02520	-.00190	-.00290	.05150	.00250
3.000	2.544	.40930	.08570	.37230	.19040	-.02380	-.02280	-.00310	-.00220	.06580	.00130
3.000	5.008	.40930	.08590	.37230	.19060	-.02360	-.02040	-.00430	-.00160	.05630	.00180
3.000	9.999	.40950	.08680	.37220	.19150	-.02260	-.01640	-.00640	-.00030	.04680	.00230
3.000	15.006	.40870	.08840	.37100	.19290	-.02040	-.01270	-.00840	.00080	.04200	.00300
3.000	22.845	.40630	.09200	.36780	.19570	-.01560	-.00810	-.01080	.00220	.05150	.00250
	GRADIENT	.00009	-.00008	.00010	-.00006	-.00014	.00082	-.00045	.00028	.00529	-.00060

AMES 118-1-87 OA145C 01 (R2H083) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 142/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.319	.41050	.08350	.37410	.18840	-.02750	.08360	.00490	.00900	.03640	-.00810
3.000	-4.203	.40850	.08470	.37200	.18890	-.02530	.05180	.00540	.00500	.04320	-.00580
3.000	-2.107	.40760	.08580	.37090	.18970	-.02320	.02570	.00400	.00200	.02420	-.00480
3.000	-1.046	.40760	.08560	.37090	.18950	-.02280	.01310	.00290	.00070	.03640	-.00810
3.000	.006	.40740	.08580	.37060	.18970	-.02230	-.00090	.00210	-.00100	-.00070	-.00520
3.000	1.104	.40770	.08590	.37090	.18980	-.02260	-.01520	.00120	-.00280	.05540	-.00910
3.000	2.166	.40770	.08640	.37080	.19040	-.02260	-.02870	.00020	-.00430	.03640	-.00810
3.000	3.190	.40760	.08640	.37060	.19040	-.02280	-.03980	-.00110	-.00540	.03960	.00060
3.000	4.242	.40860	.08610	.37160	.19040	-.02390	-.05530	-.00110	-.00720	.02580	.00120
3.000	6.395	.40930	.08590	.37230	.19050	-.02490	-.08740	-.00080	-.01110	.03730	.00280
	GRADIENT	-.00000	.00017	-.00006	.00018	.00015	-.01262	-.00083	-.00144	-.00007	.00069

AMES 118-1-87 OA145C 01 (R2H084) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 1477 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.319	-.03230	.10790	-.03290	.10770	-.01260	-.00580	.00290	-.00190	.04180	.00730
3.000	2.549	.02600	.10570	.02120	.10670	-.01280	-.00430	.00280	-.00180	.04890	.00440
3.000	5.025	.09220	.10110	.08300	.10880	-.01370	-.00460	.00270	-.00170	.04510	.00060
3.000	7.574	.16760	.09600	.15350	.11730	-.01530	-.00360	.00250	-.00140	.03320	-.00130
3.000	10.067	.24340	.09200	.22360	.13310	-.01710	-.00270	.00240	-.00120	.01420	-.00030
3.000	12.120	.30820	.08950	.28260	.15220	-.01890	-.00200	.00230	-.00110	.02370	-.00080
3.000	14.135	.37250	.08710	.33990	.17550	-.02120	-.00140	.00220	-.00100	.02090	.00190
3.000	15.177	.40580	.08600	.36920	.18920	-.02230	-.00120	.00220	-.00100	.03320	-.00130
3.000	16.183	.44240	.08470	.40120	.20460	-.02390	-.00080	.00220	-.00090	.03320	-.00130
3.000	18.213	.51440	.08230	.46290	.23890	-.02700	-.00090	.00210	-.00080	.04300	-.00150
3.000	20.257	.58950	.08000	.52540	.27920	-.03050	-.00110	.00190	-.00080	.03770	.00320
3.000	22.693	.68360	.07730	.60090	.33500	-.03540	-.00070	.00160	-.00050	.03530	.00070
3.000	25.422	.79330	.07370	.68480	.40710	-.04130	-.00100	.00150	-.00040	.02090	.00190
	GRADIENT	.02615	-.00099	.02426	-.00045	-.00009	.00067	-.00004	.00004	.00318	-.00130

AMES 118-1-87 OA145C 01 (R2H085) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 2.500

RUN NO. 129/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.305	-.04020	.12140	-.04080	.12120	.00520	-.00010	-.00010	-.00010	.05300	-.00250
3.000	2.550	.01690	.11830	.01160	.11900	.00450	.00060	-.00010	.00000	.02660	.00110
3.000	5.011	.08380	.11350	.07350	.12030	.00330	.00040	-.00010	.00000	.04770	.00220
3.000	7.588	.16080	.10800	.14510	.12830	.00070	.00070	-.00010	.00010	.04770	.00220
3.000	10.077	.23710	.10310	.21540	.14300	-.00170	.00150	-.00020	.00020	.04490	.00490
3.000	12.145	.30300	.10040	.27510	.16190	-.00450	.00220	-.00010	.00030	.02870	.00320
3.000	14.169	.36760	.09770	.33250	.18470	-.00700	.00340	-.00010	.00040	.02710	-.00290
3.000	15.180	.40100	.09650	.36170	.19810	-.00820	.00380	-.00010	.00040	.02710	-.00290
3.000	16.169	.43620	.09520	.39250	.21290	-.00990	.00410	.00000	.00040	.01650	-.00800
3.000	18.193	.50910	.09220	.45480	.24650	-.01390	.00400	.00000	.00040	.03800	.00350
3.000	20.245	.58550	.08920	.51840	.28630	-.01850	.00380	.00000	.00040	.04010	.00560
3.000	22.750	.68310	.08490	.59710	.34250	-.02520	.00330	.00000	.00040	.03060	.00610
3.000	25.455	.79320	.07980	.68190	.41290	-.03340	.00310	.00010	.00050	.03800	.00350
	GRADIENT	.02543	-.00138	.02334	-.00098	-.00031	.00031	.00000	.00004	-.01176	.00160

AMES 118-1-87 OA145C 01 (R2H086) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 2.500

RUN NO. 132/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.326	.40720	.09280	.36840	.19680	-.01470	.09230	.00100	.01150	.04780	-.00220
3.000	-4.215	.40440	.09490	.36530	.19790	-.01170	.05920	.00200	.00710	.02610	.00160
3.000	-2.121	.40350	.09630	.36400	.19890	-.00900	.03190	.00120	.00380	.03590	-.00410
3.000	-1.046	.40300	.09590	.36360	.19840	-.00880	.01820	.00050	.00220	.00710	.00260
3.000	.009	.40200	.09640	.36260	.19860	-.00820	.00400	-.00010	.00040	.08310	-.00140
3.000	1.109	.40200	.09620	.36270	.19830	-.00880	-.01120	-.00060	-.00170	.06410	-.00040
3.000	2.153	.40210	.09620	.36270	.19840	-.00910	-.02550	-.00110	-.00330	.02820	.00370
3.000	3.214	.40270	.09580	.36340	.19810	-.01010	-.03750	-.00240	-.00460	.01870	.00420
3.000	4.289	.40410	.09470	.36500	.19760	-.01220	-.05450	-.00180	-.00680	.04510	.00060
3.000	6.379	.40550	.09300	.36680	.19630	-.01510	-.08760	-.00070	-.01110	.04510	.00060
	GRADIENT	-.00011	-.00001	-.00010	-.00005	-.00006	-.01329	-.00051	-.00163	.00109	.00035

AMES 118-1-87 OA145C 01 (R2H087) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 131/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.308	-.04000	.12150	-.04060	.12130	.00520	.00000	-.00010	-.00010	.03590	.00140
3.000	2.558	.01630	.11860	.01100	.11920	.00460	.00090	-.00020	.00000	.03590	.00140
3.000	5.002	.08340	.11380	.07320	.12060	.00340	.00030	-.00010	-.00010	.01430	-.00570
3.000	7.589	.16070	.10810	.14510	.12840	.00080	.00100	-.00020	.00010	.03380	-.00070
3.000	10.079	.23740	.10330	.21560	.14320	-.00180	.00160	-.00020	.00020	.04090	-.00360
3.000	12.159	.30300	.10040	.27510	.16190	-.00430	.00210	-.00010	.00030	.02390	-.01060
3.000	14.157	.36680	.09770	.33180	.18440	-.00690	.00340	-.00010	.00030	.03650	-.00800
3.000	15.192	.40050	.09650	.36120	.19800	-.00800	.00380	-.00010	.00030	.02120	-.01330
3.000	16.175	.43660	.09520	.39280	.21300	-.00990	.00420	.00000	.00040	.01110	-.01340
3.000	18.190	.50880	.09200	.45460	.24620	-.01390	.00390	-.00000	.00040	.01580	-.01870
3.000	20.247	.58470	.08920	.51770	.28600	-.01860	.00370	.00000	.00040	.03560	.00110
3.000	22.761	.68300	.08490	.59700	.34260	-.02510	.00320	.00000	.00040	.04510	.00060
3.000	25.423	.79110	.07990	.68020	.41180	-.03320	.00290	.00010	.00050	.04300	-.00150
	GRADIENT	.02502	-.00129	.02293	-.00093	-.00027	.00040	-.00004	.00004	-.00000	.00000

AMES 118-1-87 OA145C 01 (R2H088) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	70.000
RN/L =	2.500		

RUN NO. 135/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-9.503	.23800	.10490	.21580	.14520	.00040	-.00630	.00480	-.00260	.02610	.00160
3.000	-4.916	.23930	.10360	.21730	.14420	-.00130	-.00230	.00240	-.00130	.04030	.00130
3.000	-2.447	.23980	.10330	.21790	.14390	-.00170	-.00040	.00110	-.00050	.01660	.00210
3.000	.027	.24000	.10310	.21810	.14380	-.00200	.00160	-.00020	.00020	.02850	.00400
3.000	2.504	.23980	.10330	.21790	.14390	-.00190	.00450	-.00150	.00100	.04750	.00300
3.000	5.008	.23950	.10370	.21740	.14420	-.00140	.00680	-.00290	.00180	.03560	.00110
3.000	10.021	.23800	.10500	.21580	.14530	.00040	.01150	-.00540	.00320	.03560	.00110
	GRADIENT	.00007	-.00004	.00008	-.00004	-.00008	.00091	-.00053	.00031	.00136	.00028

AMES 118-1-87 OA145C 01 (R2H089) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 70.000
RN/L = 2.500

RUN NO. 134/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-17.957	.40170	.10100	.36090	.20310	-.00220	-.01110	.00740	-.00400	.03560	.00110
3.000	-14.990	.40220	.10000	.36170	.20230	-.00350	-.00990	.00660	-.00360	.00480	.00480
3.000	-9.485	.40380	.09820	.36370	.20100	-.00610	-.00600	.00470	-.00240	.01660	.00210
3.000	-4.946	.40500	.09700	.36520	.20010	-.00780	-.00170	.00240	-.00110	.03280	.00380
3.000	-2.427	.40550	.09660	.36580	.19990	-.00850	.00110	.00110	-.00030	.03560	.00110
3.000	.018	.40530	.09650	.36560	.19970	-.00850	.00310	-.00010	.00040	.03770	.00320
3.000	2.504	.40520	.09670	.36550	.19990	-.00840	.00610	-.00140	.00120	.04720	.00270
3.000	4.998	.40540	.09710	.36560	.20030	-.00780	.00890	-.00260	.00190	.03080	.00180
3.000	10.010	.40450	.09840	.36440	.20140	-.00600	.01330	-.00500	.00330	.03350	-.00100
3.000	15.027	.40360	.10020	.36300	.20290	-.00390	.01660	-.00680	.00430	.04750	.00300
	GRADIENT	.00002	.00001	.00002	.00002	.00000	.00106	-.00050	.00030	.00030	-.00010

AMES 118-1-87 OA145C 01 (R2H090) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 70.000
RN/L = 2.500

RUN NO. 136/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-9.476	.58480	.08970	.51760	.28650	-.01760	-.00490	.00390	-.00200	.03660	-.00340
3.000	-4.926	.58590	.08920	.51870	.28660	-.01830	-.00170	.00230	-.00090	.03880	-.00570
3.000	-2.447	.58560	.08920	.51850	.28640	-.01840	.00050	.00120	-.00030	.01180	-.00270
3.000	.009	.58610	.08910	.51900	.28650	-.01860	.00250	.00010	.00030	.00630	-.00270
3.000	2.534	.58640	.08910	.51930	.28670	-.01860	.00520	-.00110	.00110	.05080	-.00370
3.000	5.008	.58630	.08930	.51910	.28680	-.01840	.00740	-.00210	.00170	.02930	-.00520
3.000	10.021	.58580	.08970	.51850	.28700	-.01780	.01090	-.00390	.00280	.04130	-.00320
	GRADIENT	.00008	-.00002	.00009	.00002	-.00004	.00091	-.00046	.00027	.00126	.00024

AMES 118-1-87 OA145C 01 (R2H091) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 70.000
RN/L = 2.500

RUN NO. 137/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-17.957	.39890	.10100	.35820	.20250	-.00170	-.03890	.00560	-.00750	.03110	-.00340
3.000	-14.947	.40010	.10010	.35960	.20190	-.00330	-.03760	.00490	-.00700	.02160	-.00290
3.000	-9.448	.40180	.09800	.36180	.20040	-.00620	-.03400	.00300	-.00590	.04060	-.00390
3.000	-4.936	.40260	.09690	.36290	.19950	-.00810	-.03060	.00110	-.00480	.03110	-.00340
3.000	-2.437	.40330	.09650	.36370	.19930	-.00880	-.02840	-.00010	-.00410	.03780	-.00120
3.000	.009	.40400	.09610	.36450	.19910	-.00940	-.02650	-.00120	-.00340	.03580	-.00320
3.000	2.514	.40400	.09600	.36440	.19890	-.00980	-.02400	-.00240	-.00260	.02380	-.00520
3.000	5.008	.40460	.09600	.36500	.19910	-.00990	-.02160	-.00360	-.00200	.03110	-.00340
3.000	10.031	.40430	.09670	.36460	.19970	-.00920	-.01690	-.00590	-.00060	.03540	-.00360
3.000	15.038	.40400	.09810	.36390	.20100	-.00750	-.01290	-.00800	.00060	.04280	-.00620
	GRADIENT	.00020	-.00012	.00021	-.00008	-.00023	.00088	-.00047	.00029	-.00097	-.00030

AMES 118-1-87 OA145C 01 (R2H092) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 133/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.309	.40610	.09270	.36740	.19610	-.01470	.09190	.00090	.01140	.03770	.00320
3.000	-4.197	.40360	.09400	.36480	.19660	-.01260	.05490	.00420	.00570	.02610	.00160
3.000	-2.085	.40190	.09590	.36270	.19800	-.00920	.02690	.00340	.00230	.04510	.00060
3.000	-1.046	.40210	.09600	.36290	.19810	-.00870	.01340	.00290	.00080	.07360	-.00090
3.000	-.008	.40170	.09660	.36230	.19870	-.00760	-.00090	.00230	-.00110	.03060	.00610
3.000	1.107	.40130	.09670	.36190	.19860	-.00780	-.01660	.00180	-.00310	.03560	.00110
3.000	2.173	.40140	.09700	.36180	.19900	-.00780	-.03040	.00110	-.00470	.02610	.00160
3.000	3.234	.40140	.09650	.36200	.19850	-.00860	-.04210	-.00020	-.00600	.03800	.00350
3.000	4.279	.40280	.09590	.36340	.19840	-.01020	-.05820	.00030	-.00810	.02610	.00160
3.000	6.410	.40390	.09470	.36480	.19760	-.01240	-.09180	.00120	-.01220	.03280	.00380
	GRADIENT	-.00013	.00022	-.00020	.00020	.00028	-.01328	-.00053	-.00162	-.00143	.00016

AMES 118-1-87 OA145C 01 (R2H093) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 130/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.317	-.04000	.12210	-.04070	.12180	.00590	-.00560	.00290	-.00190	.03540	.00540
3.000	2.564	.01630	.11900	.01090	.11960	.00530	-.00390	.00280	-.00170	.03270	.00820
3.000	5.019	.08360	.11420	.07330	.12110	.00410	-.00400	.00270	-.00160	.03770	.00320
3.000	7.582	.16010	.10860	.14440	.12880	.00160	-.00340	.00270	-.00150	.03270	.00820
3.000	10.079	.23740	.10380	.21550	.14370	-.00120	-.00220	.00250	-.00130	.05460	.00010
3.000	12.175	.30300	.10090	.27490	.16250	-.00370	-.00140	.00250	-.00110	.02640	.00190
3.000	14.146	.36590	.09810	.33080	.18450	-.00630	-.00080	.00230	-.00100	.02430	-.00020
3.000	15.197	.40050	.09690	.36110	.19850	-.00730	-.00100	.00240	-.00100	.04270	.00370
3.000	16.161	.43540	.09560	.39160	.21300	-.00910	-.00090	.00250	-.00100	.02190	-.00260
3.000	18.194	.50820	.09250	.45390	.24650	-.01330	-.00090	.00240	-.00100	.02850	.00400
3.000	20.265	.58510	.08940	.51790	.28650	-.01820	-.00080	.00220	-.00090	.04300	-.00150
3.000	22.776	.68310	.08510	.59690	.34290	-.02490	-.00070	.00190	-.00070	.02640	.00190
3.000	25.424	.79090	.08010	.67990	.41190	-.03280	-.00040	.00170	-.00050	.02400	-.00050
	GRADIENT	.02505	-.00138	.02296	-.00098	-.00027	.00076	-.00004	.00009	-.00120	.00125

AMES 118-1-87 OA145C 01 (R2H094) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 114/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.175	-.05120	.13150	-.05160	.13130	.01970	.00000	-.00010	-.00020	.02190	.00090
3.000	2.544	.00970	.12820	.00400	.12850	.01830	.00040	-.00010	-.00010	.03880	-.00220
3.000	5.049	.07770	.12300	.06660	.12940	.01680	.00050	-.00010	.00000	.04130	.00030
3.000	7.194	.14080	.11780	.12500	.13450	.01440	.00090	-.00020	.00010	.02900	.00350
3.000	10.118	.23100	.11200	.20780	.15080	.01080	.00130	-.00020	.00010	.01230	.00230
3.000	12.188	.29600	.10850	.26650	.16850	.00750	.00250	-.00010	.00030	.03330	.00330
3.000	14.164	.35980	.10540	.32300	.19020	.00460	.00310	-.00010	.00030	.01430	.00430
3.000	15.169	.39310	.10450	.35210	.20370	.00380	.00340	.00000	.00030	.00480	.00480
3.000	16.187	.43000	.10280	.38430	.21860	.00170	.00370	.00000	.00030	.03130	.00130
3.000	18.198	.50280	.09890	.44680	.25100	-.00350	.00310	.00010	.00040	.02380	.00380
3.000	20.260	.58010	.09470	.51140	.28970	-.00990	.00280	.00020	.00030	.02690	.00140
3.000	21.730	.63700	.09160	.55780	.32100	-.01430	.00250	.00020	.00030	.02420	.00420
3.000	22.743	.67740	.08970	.59000	.34460	-.01710	.00260	.00010	.00030	.03330	.00330
	GRADIENT	.02570	-.00139	.02346	-.00118	-.00059	.00017	.00000	.00004	.00713	-.00131

AMES 118-1-87 OA145C 01 (R2H095) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 120/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.270	.23940	.11130	.21590	.15190	.00510	.09790	-.00350	.01050	.02870	.00320
3.000	-4.199	.23540	.11300	.21180	.15270	.00930	.06350	-.00110	.00660	.03080	.00520
3.000	-2.065	.23380	.11280	.21030	.15220	.01050	.03240	-.00040	.00340	.03820	.00270
3.000	-1.012	.23200	.11220	.20870	.15120	.01060	.01730	-.00030	.00180	.03080	.00520
3.000	.066	.23220	.11180	.20890	.15100	.01060	.00170	-.00010	.00010	.02870	.00320
3.000	1.116	.23340	.11180	.20990	.15140	.01050	-.01300	.00010	-.00140	.03820	.00270
3.000	2.169	.23330	.11250	.20970	.15210	.01050	-.02820	.00030	-.00310	.02630	.00070
3.000	3.203	.23420	.11260	.21050	.15240	.00980	-.04340	.00050	-.00450	.03300	.00300
3.000	4.254	.23450	.11270	.21080	.15260	.00950	-.05950	.00120	-.00630	.03820	.00270
3.000	6.387	.23680	.11110	.21330	.15140	.00510	-.09530	.00400	-.01030	.04980	.00420
	GRADIENT	-.00003	-.00003	-.00005	.00002	-.00001	-.01447	.00024	-.00152	.00025	-.00032

AMES 118-1-87 OA145C 01 (R2H096) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 118/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.387	.40330	.09880	.36360	.20070	-.00610	.09430	.00000	.01210	.04060	.00510
3.000	-4.280	.40120	.10170	.36080	.20290	-.00220	.06080	.00150	.00760	.03540	.00540
3.000	-2.179	.39960	.10420	.35850	.20500	.00170	.03270	.00100	.00410	.04060	.00510
3.000	-1.128	.39960	.10400	.35850	.20480	.00210	.01900	.00040	.00250	.04270	.00720
3.000	-.058	.39880	.10520	.35750	.20570	.00350	.00410	.00000	.00040	.03080	.00520
3.000	1.001	.39980	.10440	.35860	.20520	.00220	-.01130	-.00040	-.00170	.03010	.01010
3.000	2.075	.39950	.10400	.35840	.20480	.00140	-.02580	-.00090	-.00360	.02800	.00800
3.000	3.136	.39970	.10310	.35890	.20400	.00040	-.03790	-.00210	-.00480	.02330	.00780
3.000	4.197	.40070	.10180	.36020	.20290	-.00240	-.05450	-.00130	-.00710	.04230	.00680
3.000	6.304	.40170	.09920	.36190	.20060	-.00620	-.08880	.00020	-.01160	.03530	.00970
	GRADIENT	-.00005	-.00002	-.00005	-.00002	-.00005	-.01356	-.00040	-.00174	-.00081	.00032

AMES 118-1-87 OA145C 01 (R2H097) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 117/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.277	.58340	.08640	.51730	.28300	-.02140	.08450	.00600	.01160	.03540	.00540
3.000	-4.176	.58290	.08940	.51580	.28590	-.01680	.05320	.00590	.00700	.04490	.00490
3.000	-2.054	.57980	.09440	.51110	.28950	-.00960	.02570	.00450	.00310	.02870	.00320
3.000	-.995	.58030	.09520	.51130	.29050	-.00860	.01460	.00250	.00160	.03540	.00540
3.000	.066	.58250	.09440	.51360	.29070	-.00990	.00370	.00010	.00030	.04030	.00470
3.000	1.134	.58240	.09530	.51320	.29150	-.00920	-.00750	-.00230	-.00100	.04770	.00220
3.000	2.178	.58180	.09450	.51310	.29010	-.01010	-.01830	-.00440	-.00230	.03820	.00270
3.000	3.241	.58240	.09240	.51450	.28810	-.01350	-.03150	-.00550	-.00410	.04770	.00220
3.000	4.251	.58460	.09000	.51740	.28650	-.01750	-.04580	-.00590	-.00610	.07620	.00070
3.000	6.340	.58570	.08700	.51960	.28390	-.02210	-.07920	-.00560	-.01100	.02630	.00070
	GRADIENT	.00026	.00001	.00027	.00003	-.00017	-.01136	-.00160	-.00147	.00312	-.00046

AMES 118-1-87 OA145C 01 (R2H098) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 115/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.323	-.04740	.13290	-.04810	.13260	.01920	-.03830	.00230	-.00210	.04640	-.00560
3.000	2.550	.00950	.12890	.00370	.12920	.01840	-.03370	.00110	-.00190	.01920	.00370
3.000	5.038	.07760	.12270	.06660	.12900	.01630	-.03150	.00040	-.00210	.01430	.00430
3.000	7.769	.15770	.11690	.14040	.13710	.01350	-.02980	.00010	-.00240	.03130	.00130
3.000	10.189	.23200	.11220	.20850	.15150	.01060	-.02850	.00030	-.00310	.01710	.00160
3.000	12.229	.29560	.10890	.26590	.16900	.00760	-.02760	.00020	-.00350	.02660	.00110
3.000	14.234	.36030	.10520	.32340	.19060	.00400	-.02550	-.00090	-.00330	.03400	-.00150
3.000	15.262	.39630	.10340	.35510	.20410	.00170	-.02680	-.00090	-.00370	.03160	-.00390
3.000	16.274	.43140	.10170	.38560	.21850	-.00030	-.02540	-.00140	-.00350	.03400	-.00150
3.000	18.221	.50150	.09800	.44570	.24990	-.00490	-.02210	-.00290	-.00300	.03090	.00090
3.000	20.373	.58230	.09410	.51310	.29090	-.01030	-.01960	-.00440	-.00240	.03870	-.00130
3.000	22.882	.68080	.08930	.59250	.34700	-.01760	-.01710	-.00590	-.00160	.02640	.00190
3.000	25.485	.78920	.08340	.67650	.41480	-.02730	-.01620	-.00660	-.00140	.01500	-.00050
	GRADIENT	.02554	-.00180	.02325	-.00153	-.00036	.00207	-.00054	.00009	-.01221	.00417

AMES 118-1-87 OA145C 01 (R2H099) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 2.500

RUN NO. 121/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-9.494	.23060	.11310	.20710	.15190	.01220	-.00520	.00390	-.00220	.02590	.00590
3.000	-4.926	.23130	.11230	.20800	.15120	.01110	-.00190	.00210	-.00110	.03540	.00540
3.000	-2.417	.23160	.11200	.20830	.15100	.01070	-.00010	.00090	-.00050	.04980	.00420
3.000	.009	.23240	.11190	.20910	.15100	.01050	.00130	-.00010	.00010	.03540	.00540
3.000	2.514	.23190	.11200	.20860	.15100	.01060	.00390	-.00130	.00080	.02130	.00570
3.000	5.008	.23170	.11220	.20840	.15120	.01100	.00600	-.00230	.00140	.04250	.00250
3.000	10.010	.23100	.11320	.20750	.15210	.01200	.00970	-.00440	.00260	.02590	.00590
	GRADIENT	.00010	-.00004	.00010	-.00002	-.00007	.00076	-.00045	.00025	-.00228	.00008

AMES 118-1-87 OA145C 01 (R2H0A0) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 2.500

RUN NO. 122/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-17.937	.39350	.10620	.35190	.20560	.00560	-.00790	.00560	-.00290	.04250	.00250
3.000	-14.968	.39370	.10580	.35220	.20520	.00510	-.00700	.00510	-.00260	.04250	.00250
3.000	-9.494	.39450	.10510	.35320	.20470	.00410	-.00450	.00370	-.00190	.04030	.00470
3.000	-4.926	.39530	.10440	.35410	.20420	.00320	-.00150	.00220	-.00100	.03540	.00540
3.000	-2.447	.39540	.10420	.35430	.20410	.00290	.00090	.00100	-.00030	.01640	.00640
3.000	.018	.39560	.10410	.35450	.20410	.00300	.00330	-.00020	.00040	.02130	.00570
3.000	2.534	.39530	.10420	.35420	.20410	.00300	.00630	-.00140	.00110	.03080	.00520
3.000	5.028	.39530	.10450	.35410	.20440	.00330	.00840	-.00240	.00170	.03820	.00270
3.000	10.021	.39520	.10510	.35390	.20500	.00400	.01150	-.00390	.00260	.03540	.00540
3.000	15.038	.39520	.10590	.35370	.20570	.00490	.01370	-.00510	.00330	.04280	.00280
	GRADIENT	.00001	-.00003	.00002	-.00001	-.00002	.00104	-.00048	.00028	-.00035	-.00005

AMES 118-1-87 OA145C 01 (R2H0A1) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 2.500

RUN NO. 123/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-9.503	.58080	.09460	.51220	.28990	-.01010	-.00250	.00290	-.00140	.01970	-.00030
3.000	-4.936	.58060	.09460	.51200	.28970	-.01020	-.00020	.00160	-.00060	.01850	.00850
3.000	-2.437	.58090	.09450	.51230	.28980	-.01020	.00140	.00080	-.00010	.03300	.00300
3.000	.009	.58110	.09450	.51240	.28980	-.01030	.00240	.00010	.00030	.02590	.00590
3.000	2.524	.58090	.09460	.51220	.28980	-.01020	.00410	-.00070	.00080	.04490	.00490
3.000	5.008	.58110	.09450	.51240	.28980	-.01040	.00630	-.00140	.00130	.03750	.00750
3.000	10.031	.58170	.09460	.51300	.29010	-.01060	.00930	-.00290	.00220	.02800	.00800
	GRADIENT	.00004	.00000	.00003	.00001	-.00000	.00056	-.00031	.00019	.00291	-.00032

AMES 118-1-87 OA145C 01 (R2H0A2) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	2.500		

RUN NO. 1247 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-9.512	.39480	.10460	.35350	.20460	.00330	-.03320	.00250	-.00560	.02130	.00570
3.000	-4.916	.39580	.10380	.35460	.20400	.00200	-.03040	.00100	-.00470	.03300	.00300
3.000	-2.447	.39580	.10350	.35480	.20380	.00150	-.02850	.00000	-.00420	.02800	.00800
3.000	.000	.39670	.10320	.35570	.20370	.00100	-.02700	-.00090	-.00360	.02800	.00800
3.000	2.504	.39690	.10310	.35590	.20370	.00070	-.02510	-.00190	-.00300	.03510	.00510
3.000	5.038	.39690	.10320	.35590	.20380	.00060	-.02270	-.00300	-.00240	.04700	.00700
3.000	10.010	.39730	.10350	.35620	.20420	.00080	-.01880	-.00490	-.00120	.04030	.00470
	GRADIENT	.00017	-.00010	.00019	-.00004	-.00018	.00070	-.00039	.00023	.00026	.00025

AMES 118-1-87 OA145C 01 (R2H0A3) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 119/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.368	.40380	.09670	.36460	.19880	-.00850	.09080	.00160	.01110	.04230	.00680
3.000	-4.279	.40130	.10080	.36110	.20200	-.00350	.05720	.00330	.00650	.02330	.00780
3.000	-2.187	.39930	.10390	.35840	.20460	.00160	.02870	.00290	.00290	.04230	.00680
3.000	-1.134	.39950	.10400	.35850	.20470	.00230	.01490	.00240	.00120	.03060	.00610
3.000	-.055	.39860	.10520	.35730	.20570	.00370	-.00090	.00220	-.00100	.03540	.00540
3.000	1.006	.39890	.10420	.35780	.20490	.00250	-.01510	.00140	-.00290	.04270	.00720
3.000	2.064	.39920	.10450	.35800	.20520	.00230	-.02960	.00100	-.00470	.03820	.00270
3.000	3.137	.39920	.10360	.35820	.20430	.00150	-.04090	-.00040	-.00590	.03610	.00060
3.000	4.201	.40010	.10260	.35940	.20350	-.00080	-.05780	.00030	-.00810	.01710	.00160
3.000	6.304	.40040	.10090	.36010	.20190	-.00360	-.09110	.00150	-.01240	.03850	.00300
	GRADIENT	-.00012	.00016	-.00018	.00013	.00025	-.01347	-.00043	-.00172	-.00024	-.00084

AMES 118-1-87 OA145C 01 (R2H0A4) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = -5.000
RN/L = 2.500

RUN NO. 116/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.170	-.05120	.13200	-.05160	.13180	.01990	-.00520	.00240	-.00160	.02870	.00320
3.000	2.564	.01020	.12870	.00440	.12910	.01870	-.00330	.00230	-.00150	.02980	-.00570
3.000	5.011	.07660	.12370	.06550	.12990	.01730	-.00350	.00220	-.00140	.02920	-.00080
3.000	7.792	.15880	.11730	.14140	.13780	.01430	-.00260	.00220	-.00120	.05740	.01740
3.000	10.088	.22990	.11260	.20660	.15110	.01120	-.00160	.00210	-.00110	.02590	.00590
3.000	12.131	.29440	.10900	.26490	.16840	.00800	-.00100	.00210	-.00090	.02800	.00800
3.000	14.150	.35880	.10560	.32210	.19010	.00520	-.00090	.00210	-.00090	.03750	.00750
3.000	15.176	.39280	.10480	.35170	.20400	.00410	-.00120	.00220	-.00100	.01580	.01130
3.000	16.181	.43010	.10290	.38440	.21870	.00160	-.00020	.00200	-.00080	.03030	.00570
3.000	18.199	.50260	.09850	.44670	.25060	-.00370	.00000	.00180	-.00060	.02590	.00590
3.000	20.250	.57940	.09470	.51080	.28940	-.00980	-.00010	.00160	-.00060	.03130	.00130
3.000	22.757	.67760	.08970	.59020	.34480	-.01740	-.00010	.00140	-.00050	.04530	-.00030
3.000	25.431	.78670	.08380	.67450	.41350	-.02640	-.00010	.00140	-.00040	.03580	.00020
	GRADIENT	.02565	-.00138	.02339	-.00113	-.00050	.00079	-.00004	.00004	.00046	-.00372

AMES 118-1-87 OA145C 01 (R2H0A5) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 125/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-11.772	.39010	.10350	.34930	.20200	.00940	.00330	-.00010	.00040	.03510	.00510
3.000	-8.031	.39180	.10350	.35100	.20260	.00800	.00350	-.00020	.00040	.01850	.00850
3.000	-3.894	.39380	.10360	.35290	.20320	.00570	.00350	-.00020	.00040	.03750	.00750
3.000	.029	.39680	.10410	.35560	.20450	.00290	.00350	-.00020	.00040	.03230	.00780
3.000	3.996	.39970	.10500	.35820	.20610	-.00060	.00350	-.00010	.00040	.03010	.01010
3.000	7.980	.40360	.10630	.36170	.20830	-.00510	.00330	-.00010	.00040	.01580	.01130
3.000	12.090	.40840	.10810	.36580	.21130	-.01030	.00330	-.00010	.00040	.03080	.00520
3.000	16.349	.41320	.11030	.36980	.21470	-.01600	.00330	-.00010	.00040	.02800	.00800
3.000	22.613	.41970	.11370	.37530	.21970	-.02320	.00320	-.00010	.00040	.04460	.00460
	GRADIENT	.00075	.00018	.00067	.00037	-.00080	.00000	.00001	-.00000	-.00094	.00033

AMES 118-1-87 OA145C 01 (R2H0A6) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = -11.700 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 159/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-22.758	.39410	.09700	.35480	.19710	.00030	-.01470	.00940	-.00520	.01690	-.00310
3.000	-17.947	.39610	.09450	.35730	.19520	-.00300	-.01240	.00820	-.00460	.01690	-.00310
3.000	-14.947	.39680	.09300	.35850	.19400	-.00520	-.01070	.00720	-.00390	.02920	-.00630
3.000	-9.467	.39910	.09060	.36130	.19220	-.00840	-.00590	.00460	-.00240	.03870	-.00680
3.000	-4.936	.40010	.08950	.36260	.19150	-.01000	-.00180	.00240	-.00110	.01970	-.00580
3.000	-2.447	.40060	.08930	.36310	.19140	-.01040	.00100	.00110	-.00030	.01230	-.00330
3.000	.018	.40040	.08930	.36290	.19130	-.01060	.00310	-.00010	.00030	.01970	-.00580
3.000	2.534	.40070	.08950	.36310	.19150	-.01040	.00620	-.00140	.00120	.02920	-.00630
3.000	5.008	.40070	.08980	.36300	.19190	-.01010	.00840	-.00260	.00190	.02920	-.00630
3.000	9.999	.40030	.09110	.36230	.19300	-.00840	.01300	-.00500	.00330	.02920	-.00630
	GRADIENT	.00006	.00000	.00005	-.00000	-.00006	.00105	-.00051	.00030	.00145	-.00016

AMES 118-1-87 OA145C 01 (R2H0A7) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = 16.300 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 158/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-22.746	.41740	.10410	.37550	.21000	-.02510	-.01390	.00930	-.00520	.02180	-.00380
3.000	-17.917	.41880	.10160	.37750	.20800	-.02850	-.01220	.00820	-.00450	.01970	-.00580
3.000	-14.968	.42030	.10010	.37930	.20690	-.03060	-.01010	.00720	-.00380	.01230	-.00330
3.000	-9.457	.42220	.09780	.38170	.20520	-.03380	-.00590	.00470	-.00240	.03870	-.00680
3.000	-4.956	.42340	.09670	.38310	.20450	-.03540	-.00180	.00240	-.00100	.01970	-.00580
3.000	-2.437	.42340	.09630	.38320	.20410	-.03570	.00080	.00110	-.00030	.02640	-.00360
3.000	.036	.42320	.09630	.38310	.20400	-.03590	.00290	-.00010	.00040	.03870	-.00680
3.000	2.524	.42370	.09650	.38360	.20430	-.03580	.00560	-.00140	.00110	.04820	-.00730
3.000	5.008	.42370	.09690	.38350	.20460	-.03550	.00780	-.00260	.00180	.04080	-.00480
3.000	9.999	.42340	.09820	.38270	.20590	-.03370	.01240	-.00500	.00330	.02920	-.00630
	GRADIENT	.00003	-.00002	.00006	-.00003	.00006	.00098	-.00051	.00028	.00392	-.00031

AMES 118-1-87 OA145C 01 (R2H0A8) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 160/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.321	.40400	.08610	.36700	.18950	-.01670	.08610	.00380	.00960	.02920	-.00630
3.000	-4.230	.40160	.08790	.36440	.19040	-.01390	.05360	.00480	.00540	.03660	-.00890
3.000	-2.117	.40020	.08930	.36270	.19130	-.01130	.02620	.00380	.00210	.03180	-.00820
3.000	-.991	.40020	.08910	.36270	.19120	-.01080	.01190	.00300	.00060	.01020	-.00530
3.000	-.000	.39920	.08950	.36170	.19110	-.00990	-.00150	.00230	-.00110	.01760	-.00790
3.000	1.113	.39880	.08960	.36130	.19110	-.01020	-.01660	.00160	-.00300	.03180	-.00820
3.000	2.146	.39900	.09030	.36140	.19190	-.01000	-.03000	.00090	-.00460	.01760	-.00790
3.000	3.211	.39930	.09000	.36160	.19180	-.01050	-.04150	-.00050	-.00580	.02710	-.00840
3.000	4.252	.39980	.08970	.36220	.19160	-.01170	-.05730	-.00020	-.00770	.01760	-.00790
3.000	6.375	.40090	.08920	.36330	.19140	-.01330	-.09010	.00040	-.01170	.01480	-.00520
	GRADIENT	-.00023	.00022	-.00028	.00014	.00026	-.01300	-.00065	-.00154	-.00138	.00000

AMES 118-1-87 OA145C 01 (R2H0A9) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 162/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.303	.42630	.09310	.38690	.20180	-.04270	.08480	.00390	.00960	.03800	-.00200
3.000	-4.215	.42370	.09470	.38400	.20250	-.03950	.05260	.00490	.00540	.04320	-.00230
3.000	-2.112	.42220	.09610	.38220	.20350	-.03670	.02570	.00380	.00220	.02420	-.00130
3.000	-.983	.42230	.09600	.38230	.20340	-.03610	.01160	.00300	.00060	.02850	-.00150
3.000	-.005	.42150	.09650	.38140	.20380	-.03530	-.00120	.00230	-.00110	.01230	-.00330
3.000	1.120	.42120	.09630	.38120	.20340	-.03550	-.01600	.00150	-.00300	.04750	-.00250
3.000	2.141	.42140	.09690	.38120	.20410	-.03540	-.02920	.00080	-.00460	.02850	-.00150
3.000	3.196	.42220	.09680	.38200	.20420	-.03610	-.04050	-.00060	-.00580	.00950	-.00050
3.000	4.261	.42330	.09650	.38310	.20430	-.03740	-.05700	-.00030	-.00780	.04060	-.00480
3.000	6.366	.42390	.09600	.38370	.20410	-.03920	-.08930	.00030	-.01180	.03130	-.00430
	GRADIENT	-.00008	.00020	-.00014	.00019	.00024	-.01282	-.00068	-.00155	-.00076	-.00012

AMES 118-1-87 OA145C 01 (R2H0B0) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 154/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
3.000	-14.942	.36750	.08980	.33110	.18310	.01380	.00320	-.00010	.00030	.00870
3.000	-12.947	.37060	.08910	.33420	.18330	.01120	.00320	-.00010	.00040	.00710
3.000	-9.964	.37670	.08840	.34030	.18420	.00730	.00320	-.00010	.00030	.00500
3.000	-7.947	.38080	.08830	.34430	.18520	.00440	.00320	-.00010	.00030	.00240
3.000	-4.943	.38760	.08830	.35080	.18700	-.00050	.00310	-.00010	.00040	-.00070
3.000	-3.929	.38950	.08850	.35260	.18770	-.00230	.00310	-.00010	.00030	.00280
3.000	-1.920	.39480	.08890	.35760	.18940	-.00610	.00310	-.00010	.00040	.00420
3.000	.041	.40010	.08940	.36260	.19130	-.01030	.00320	-.00010	.00040	.00350
3.000	2.041	.40580	.09040	.36780	.19370	-.01480	.00310	-.00010	.00040	.01420
3.000	4.032	.41140	.09160	.37300	.19640	-.01940	.00290	-.00010	.00040	.00190
3.000	5.016	.41490	.09230	.37610	.19800	-.02200	.00310	-.00010	.00040	-.00960
3.000	8.018	.42560	.09490	.38570	.20330	-.03020	.00300	.00000	.00040	-.01190
3.000	10.026	.43350	.09730	.39270	.20780	-.03630	.00300	.00000	.00030	-.00900
	GRADIENT	.00268	.00035	.00250	.00104	-.00211	-.00001	.00000	.00001	.00069

AMES 118-1-87 OA145C 01 (R2H0B1) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 1537 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
3.000	-14.948	.38960	.09630	.35060	.19520	-.01100	.00310	-.00010	.00030	.01390
3.000	-12.964	.39270	.09600	.35470	.19600	-.01360	.00320	-.00010	.00030	.01020
3.000	-9.944	.39910	.09530	.36010	.19670	-.01750	.00310	-.00010	.00030	.00470
3.000	-7.942	.40350	.09510	.36440	.19770	-.02070	.00300	-.00010	.00030	.00230
3.000	-6.474	.40650	.09500	.36720	.19840	-.02280	.00320	-.00010	.00040	.00600
3.000	-4.943	.41040	.09520	.37100	.19960	-.02550	.00320	-.00010	.00030	-.00070
3.000	-3.931	.41260	.09540	.37310	.20040	-.02740	.00310	-.00010	.00030	.00070
3.000	-1.949	.41760	.09580	.37780	.20210	-.03130	.00290	-.00010	.00030	.00350
3.000	.023	.42290	.09630	.38280	.20400	-.03550	.00280	.00000	.00040	.00000
3.000	2.038	.42890	.09730	.38830	.20650	-.04010	.00280	.00000	.00030	.00680
3.000	4.030	.43620	.09860	.39500	.20970	-.04510	.00270	-.00010	.00030	-.00040
3.000	5.025	.43930	.09920	.39780	.21110	-.04780	.00270	-.00010	.00030	.00010
3.000	8.027	.45040	.10210	.40780	.21680	-.05650	.00240	.00000	.00040	-.00890
3.000	10.021	.45830	.10470	.41470	.22140	-.06270	.00240	.00000	.00030	-.00970
	GRADIENT	.00284	.00036	.00265	.00110	-.00217	-.00005	.00001	.00000	.00023

AMES 118-1-87 OA145C 01 (R2H082) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	10.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 156/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-11.772	.43370	.09730	.39290	.20780	-.03640	.00290	.00000	.00030	10.02100	-.00410
3.000	-8.031	.43490	.09730	.39410	.20810	-.03780	.00290	.00000	.00030	10.01200	-.00400
3.000	-5.979	.43600	.09750	.39510	.20850	-.03900	.00290	.00000	.00030	10.00700	.00050
3.000	-3.894	.43720	.09760	.39620	.20900	-.04020	.00290	.00000	.00030	10.03000	-.00430
3.000	-2.011	.43850	.09780	.39740	.20950	-.04170	.00280	.00000	.00030	10.01600	.00040
3.000	.049	.44010	.09810	.39890	.21020	-.04320	.00290	.00000	.00030	10.03000	-.00430
3.000	1.960	.44160	.09850	.40020	.21100	-.04500	.00270	.00000	.00030	10.01400	-.00200
3.000	4.007	.44380	.09890	.40220	.21200	-.04710	.00280	.00000	.00040	10.00500	-.00190
3.000	6.020	.44550	.09950	.40380	.21300	-.04910	.00260	.00000	.00030	10.02800	-.00210
3.000	8.020	.44780	.10030	.40580	.21430	-.05150	.00270	.00000	.00030	10.03000	-.00430
3.000	12.090	.45260	.10230	.40980	.21750	-.05690	.00230	.00000	.00030	10.01600	-.00440
3.000	16.328	.45840	.10450	.41490	.22120	-.06280	.00220	.00000	.00030	10.00500	-.00190
3.000	22.585	.46510	.10780	.42050	.22610	-.06990	.00200	.00010	.00030	10.01400	-.00200
	GRADIENT	.00082	.00017	.00075	.00038	-.00087	-.00001	.00000	.00001	-.00261	.00011

AMES 11B-1-87 OA145C 01 (R2H083) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -10.000 AILRON = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 157/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-11.761	.37680	.08860	.34040	.18440	.00710	.00330	-.00010	.00030	-9.93370	.00920
3.000	-8.031	.37810	.08860	.34160	.18470	.00570	.00320	-.00010	.00030	-9.95410	.00960
3.000	-5.979	.37910	.08850	.34250	.18490	.00470	.00320	-.00010	.00030	-9.94890	.00920
3.000	-3.894	.38060	.08870	.34400	.18550	.00340	.00320	-.00010	.00030	-9.92860	.00880
3.000	-1.980	.38140	.08880	.34470	.18580	.00230	.00320	-.00010	.00030	-9.92860	.00880
3.000	.000	.38290	.08920	.34610	.18660	.00080	.00310	-.00010	.00030	-9.94390	.00940
3.000	1.960	.38460	.08950	.34760	.18730	-.00090	.00320	-.00010	.00030	-9.95410	.00960
3.000	4.007	.38600	.09000	.34880	.18820	-.00280	.00320	-.00010	.00040	-9.94390	.00940
3.000	5.990	.38790	.09050	.35050	.18910	-.00480	.00300	-.00010	.00030	-9.94890	.00920
3.000	8.030	.39000	.09110	.35240	.19030	-.00700	.00330	-.00010	.00030	-9.93870	.00900
3.000	12.080	.39450	.09290	.35630	.19320	-.01220	.00330	-.00010	.00040	-9.95410	.00960
3.000	16.349	.39950	.09520	.36060	.19670	-.01800	.00310	-.00010	.00040	-9.95670	.00700
3.000	22.613	.40630	.09860	.36620	.20180	-.02560	.00300	.00000	.00040	-9.92860	.00880
	GRADIENT	.00071	.00017	.00063	.00035	-.00079	.00000	.00000	.00001	-.00283	.00010

AMES 118-1-87 OA145C 01 (R2H0B4) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LRFF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 180/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.322	-.05530	.11540	-.05600	.11510	.00980	.00010	-.00020	-.00010	-9.94630	.00700
3.000	2.585	.00260	.11200	-.00240	.11200	.00960	.00030	-.00020	-.00010	-9.94150	.00700
3.000	4.981	.06670	.10690	.05720	.11230	.00950	.00030	-.00020	-.00010	-9.95170	.00720
3.000	7.582	.14260	.10070	.12800	.11860	.00850	.00080	-.00020	.00000	-9.94890	.00440
3.000	10.119	.21830	.09600	.19810	.13280	.00860	.00090	-.00010	.00010	-9.93370	.00920
3.000	12.147	.27950	.09300	.25370	.14970	.00800	.00190	-.00010	.00020	-9.93370	.00920
3.000	14.160	.34220	.09020	.30970	.17110	.00750	.00280	-.00010	.00020	-9.95410	.00960
3.000	15.185	.37530	.08880	.33890	.18400	.00740	.00310	-.00010	.00020	-9.95410	.00960
3.000	16.166	.40860	.08710	.36820	.19750	.00660	.00340	.00000	.00030	-9.93100	.00650
3.000	18.206	.48020	.08420	.42980	.23010	.00510	.00320	.00000	.00030	-9.94390	.00940
3.000	20.235	.55290	.08130	.49070	.26750	.00310	.00290	.00000	.00030	-9.94110	.00660
3.000	22.753	.64670	.07700	.56660	.32110	.00070	.00250	.00000	.00030	-9.94630	.00700
3.000	25.473	.75240	.07180	.64830	.38840	-.00260	.00220	.00010	.00030	-9.94890	.00920
	GRADIENT	.02619	-.00183	.02430	-.00059	-.00006	.00004	.00000	.00000	-.00119	.00004

AMES 118-1-87 OA145C 01 (R2H0B4) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LRFF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000 000
AILRON = .000 BDFLAP = -11.700 300
SPDBRK = 55.000 RUDDER = .000 000
RN/L = 2.500

RUN NO. 180/ 0. RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON	ILRON
3.000	.322	-.05530	.11540	-.05600	.11510	.00980	.00010	-.00020	-.00010	-9.94630	.00700	00440
3.000	2.585	.00260	.11200	-.00240	.11200	.00960	.00030	-.00020	-.00010	-9.94150	.00700	00700
3.000	4.981	.06670	.10690	.05720	.11230	.00950	.00030	-.00020	-.00010	-9.95170	.00720	00650
3.000	7.582	.14260	.10070	.12800	.11860	.00850	.00080	-.00020	.00000	-9.94890	.00440	00940
3.000	10.119	.21830	.09600	.19810	.13280	.00860	.00090	-.00010	.00010	-9.93370	.00920	00700
3.000	12.147	.27950	.09300	.25370	.14970	.00800	.00190	-.00010	.00020	-9.93370	.00920	00920
3.000	14.160	.34220	.09020	.30970	.17110	.00750	.00280	-.00010	.00020	-9.95410	.00960	00920
3.000	15.185	.37530	.08880	.33890	.18400	.00740	.00310	-.00010	.00020	-9.95410	.00960	00750
3.000	16.166	.40860	.08710	.36820	.19750	.00660	.00340	.00000	.00030	-9.93100	.00650	00220
3.000	18.206	.48020	.08420	.42980	.23010	.00510	.00320	.00000	.00030	-9.94390	.00940	00660
3.000	20.235	.55290	.08130	.49070	.26750	.00310	.00290	.00000	.00030	-9.94110	.00660	01160
3.000	22.753	.64670	.07700	.56660	.32110	.00070	.00250	.00000	.00030	-9.94630	.00700	00920
3.000	25.473	.75240	.07180	.64830	.38840	-.00260	.00220	.00010	.00030	-9.94890	.00920	00680
	GRADIENT	.02619	-.00183	.02430	-.00059	-.00006	.00004	.00000	.00000	-.00119	.00004	00044

AMES 118-1-87 OA145C 01 (R2H0B6) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 183/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.324	-.01870	.11660	-.01940	.11650	-.01820	-.00010	-.00010	-.00010	10.02800	-.00700
3.000	2.507	.03840	.11460	.03340	.11620	-.01870	.00060	-.00020	-.00010	10.03200	-.00740
3.000	5.000	.10700	.11050	.09700	.11940	-.02080	.00010	-.00010	-.00010	10.01900	-.00270
3.000	7.570	.18490	.10560	.16930	.12900	-.02430	.00060	-.00010	.00000	10.02100	-.00480
3.000	10.055	.26280	.10250	.24090	.14680	-.02740	.00090	-.00010	.00000	10.00700	-.00500
3.000	12.140	.33050	.10040	.30200	.16760	-.03080	.00120	.00000	.00020	10.03000	-.00980
3.000	14.179	.39760	.09850	.36130	.19290	-.03450	.00220	.00000	.00020	10.02300	-.00730
3.000	15.198	.43230	.09740	.39160	.20730	-.03610	.00290	.00000	.00020	10.04800	-.00960
3.000	16.222	.46920	.09650	.42360	.22370	-.03870	.00360	.00000	.00020	9.98940	-.00470
3.000	18.216	.54240	.09520	.48540	.26000	-.04390	.00340	.00010	.00030	10.01600	-.00510
3.000	20.251	.62050	.09350	.54980	.30250	-.04980	.00320	.00010	.00030	10.01900	-.00750
3.000	22.762	.71950	.09150	.62810	.36270	-.05700	.00280	.00010	.00020	10.01600	-.00510
3.000	25.442	.83180	.08870	.71300	.43740	-.06620	.00230	.00020	.00030	10.01400	-.00710
	GRADIENT	.02690	-.00131	.02491	.00064	-.00056	.00004	.00000	.00000	-.00200	.00094

AMES 118-1-87 OA145C 01 (R2H0B7) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 182/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.310	-.00870	.11910	-.00930	.11900	-.02970	-.00020	-.00010	-.00020	10.02500	-.00940
3.000	2.510	.05080	.11740	.04560	.11950	-.03220	.00070	-.00010	-.00010	10.02500	-.00940
3.000	4.992	.12100	.11400	.11070	.12410	-.03590	.00030	.00000	-.00010	10.01400	-.00750
3.000	7.606	.20170	.11020	.18530	.13590	-.04150	.00040	-.00010	.00000	10.03200	-.01190
3.000	10.062	.28130	.10760	.25820	.15510	-.04710	.00040	-.00010	.00010	10.00700	-.00950
3.000	12.201	.35250	.10610	.32210	.17820	-.05310	.00110	.00000	.00020	10.02500	-.00940
3.000	14.136	.42100	.10510	.38260	.20470	-.05950	.00160	.00000	.00020	10.02500	-.00940
3.000	15.188	.45780	.10500	.41430	.22120	-.06270	.00240	.00000	.00020	10.02100	-.00970
3.000	16.199	.49430	.10430	.44560	.23810	-.06670	.00280	.00010	.00030	10.03400	-.00950
3.000	18.207	.56980	.10370	.50890	.27650	-.07460	.00320	.00010	.00030	10.01200	-.00950
3.000	20.224	.64950	.10280	.57400	.32100	-.08300	.00300	.00010	.00030	10.02100	-.00970
3.000	22.782	.75520	.10200	.65680	.38650	-.09460	.00260	.00010	.00030	10.01800	-.00730
3.000	25.440	.86950	.10050	.74200	.46420	-.10770	.00220	.00020	.00030	10.02300	-.00730
	GRADIENT	.02771	-.00110	.02564	.00111	-.00133	.00010	.00002	.00002	-.00239	.00041

AMES 118-1-87 OA145C 01 (R2H0B8) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-OB =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 163/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-3.951	.39850	.08970	.36120	.19080	-.01220	.00280	-.00010	.00030	-1.96280	-.00130
3.000	-1.937	.40160	.08980	.36420	.19170	-.01460	.00280	-.00010	.00030	-.94930	.00100
3.000	.028	.40530	.09030	.36770	.19310	-.01730	.00260	-.00010	.00030	.03610	-.00490
3.000	2.014	.40860	.09070	.37070	.19430	-.02010	.00270	-.00010	.00030	1.02430	-.00680
3.000	4.010	.41190	.09110	.37380	.19550	-.02290	.00260	-.00010	.00030	2.01730	-.00670
	GRADIENT	.00170	.00019	.00160	.00060	-.00135	-.00003	-.00000	-.00000	.49990	-.00093

AMES 118-1-87 OA145C 01 (R2H089) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-OB =	5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 164/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	1.016	.41260	.09190	.37420	.19650	-.02310	.00250	-.00010	.00030	3.01630	-.00560
3.000	3.022	.41620	.09220	.37760	.19780	-.02600	.00250	-.00010	.00030	4.02460	-.00720
3.000	5.016	.41980	.09300	.38090	.19950	-.02900	.00260	-.00010	.00030	5.01380	-.00220
3.000	7.007	.42430	.09370	.38510	.20140	-.03240	.00240	-.00010	.00030	6.00450	-.00980
3.000	9.023	.42830	.09480	.38860	.20350	-.03570	.00240	-.00010	.00030	7.02500	-.01000
	GRADIENT	.00179	.00015	.00169	.00065	-.00145	-.00000	.00000	.00000	.50252	-.00080

AMES 118-1-87 OA145C 01 (R2H0C0) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-OB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 165/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-8.942	.38720	.08920	.35040	.18720	-.00350	.00250	-.00010	.00030	-6.94340	.00270
3.000	-6.950	.38940	.08910	.35260	.18780	-.00540	.00260	-.00010	.00030	-5.94990	.00250
3.000	-4.927	.39240	.08920	.35540	.18870	-.00750	.00270	-.00010	.00030	-4.93110	.00600
3.000	-2.960	.39510	.08930	.35810	.18940	-.00970	.00280	-.00010	.00030	-3.95970	.00630
3.000	-.931	.39840	.08950	.36110	.19050	-.01210	.00270	-.00010	.00030	-2.93290	.00840
	GRADIENT	.00150	.00008	.00143	.00045	-.00115	-.00000	.00000	.00000	.50006	.00060

AMES 118-1-87 OA145C 01 (R2H0C1) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELV-IB = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RUDDER = .000 RN/L = 2.500

RUN NO. 166/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-3.934	.40060	.08970	.36320	.19130	-.01410	.00250	-.00010	.00030	-1.95060	-.00680
3.000	-1.918	.40270	.08990	.36520	.19200	-.01540	.00250	-.00010	.00030	-.94010	.00690
3.000	.028	.40480	.09040	.36720	.19300	-.01710	.00270	-.00010	.00030	.03030	.00570
3.000	2.003	.40700	.09080	.36910	.19400	-.01870	.00250	-.00010	.00030	1.00850	.01160
3.000	4.019	.40930	.09140	.37120	.19510	-.02060	.00260	-.00010	.00030	2.03080	-.00490
	GRADIENT	.00109	.00022	.00100	.00048	-.00082	.00001	.00000	.00000	.49989	.00043

AMES 118-1-87 OA145C 01 (R2H0C2) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELV-IB = 5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RUDDER = .000 RN/L = 2.500

RUN NO. 167/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	1.028	.41460	.09180	.37620	.19700	-.02530	.00240	-.00010	.00040	3.02640	.00630
3.000	3.001	.41720	.09230	.37850	.19810	-.02700	.00250	-.00010	.00030	4.01330	-.00370
3.000	5.002	.41950	.09310	.38060	.19950	-.02890	.00250	-.00010	.00030	5.00910	-.00690
3.000	6.999	.42250	.09390	.38330	.20100	-.03100	.00240	-.00010	.00030	6.00510	.00060
3.000	9.041	.42540	.09470	.38590	.20260	-.03340	.00230	-.00010	.00030	7.03780	-.00540
	GRADIENT	.00132	.00025	.00117	.00056	-.00086	.00005	.00000	-.00005	.49997	-.00507

AMES 118-1-87 OA145C 01 (R2H0C3) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-IB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 168/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-8.965	.38840	.08910	.35170	.18750	-.00470	.00250	-.00010	.00030	-6.95650	.00390
3.000	-6.945	.39030	.08910	.35350	.18790	-.00600	.00240	-.00010	.00030	-5.94120	-.00130
3.000	-4.964	.39200	.08930	.35500	.18860	-.00730	.00260	-.00010	.00030	-4.96100	.00330
3.000	-2.983	.39360	.08930	.35660	.18910	-.00870	.00250	-.00010	.00030	-3.97050	-.00450
3.000	-.941	.39600	.08950	.35880	.18990	-.01040	.00260	-.00010	.00030	-2.93910	.00820
	GRADIENT	.00100	.00005	.00095	.00032	-.00077	.00000	.00000	.00000	.50256	.00124

AMES 118-1-87 OA145C 01 (R2H0C4) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 169/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-3.984	.40510	.09050	.36740	.19320	-.01760	.00180	.00010	-.00110	.04550	-1.98680
3.000	-1.969	.40480	.09040	.36710	.19300	-.01730	.00200	.00000	-.00040	.02860	-.98110
3.000	.011	.40480	.09030	.36710	.19300	-.01700	.00220	-.00010	.00030	.04220	.00770
3.000	1.972	.40490	.09030	.36730	.19300	-.01720	.00300	-.00020	.00100	.02290	.98960
3.000	3.980	.40490	.09060	.36710	.19330	-.01740	.00330	-.00030	.00180	.03050	1.99300
	GRADIENT	-.00002	.00001	-.00002	.00001	.00003	.00020	-.00005	.00036	-.00180	.49978

AMES 118-1-87 OA145C 01 (R2H0C5) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 170/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-4.012	.42000	.09350	.38100	.20000	-.02920	.00200	.00030	-.00140	5.01830	-2.00730
3.000	-2.016	.41990	.09320	.38090	.19970	-.02900	.00190	.00010	-.00050	5.02940	-1.01190
3.000	-.008	.41970	.09290	.38090	.19940	-.02880	.00230	-.00010	.00030	5.01610	-.00450
3.000	1.989	.41980	.09310	.38080	.19960	-.02890	.00280	-.00030	.00120	5.02480	.99300
3.000	3.972	.42050	.09340	.38150	.20010	-.02930	.00330	-.00050	.00200	5.01930	1.98200
	GRADIENT	.00004	-.00002	.00004	.00000	-.00000	.00018	-.00010	.00043	-.00013	.49985

AMES 118-1-87 OA145C 01 (R2H0C6) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 171/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-3.995	.39200	.08930	.35510	.18860	-.00770	.00190	-.00010	-.00080	-4.93360	-1.99750
3.000	-2.012	.39210	.08920	.35520	.18860	-.00730	.00210	-.00010	-.00030	-4.92730	-1.00570
3.000	-.002	.38690	.08920	.35020	.18720	-.00340	.00270	-.00010	.00030	-6.95480	-.00040
3.000	2.002	.39220	.08930	.35530	.18870	-.00730	.00300	-.00020	.00090	-4.94820	1.00420
3.000	4.014	.39210	.08940	.35510	.18880	-.00760	.00340	-.00020	.00150	-4.93940	2.00980
	GRADIENT	.00002	.00002	.00001	.00003	.00001	.00019	-.00001	.00029	-.00144	.50041

AMES 118-1-87 OA145C 01 (R2H0C7) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 172/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-3.973	.40480	.09060	.36710	.19320	-.01730	.00210	.00020	-.00140	.03670	-1.98110
3.000	-1.963	.40440	.09030	.36680	.19280	-.01700	.00230	.00000	-.00050	.02510	-.98080
3.000	.000	.40490	.09030	.36720	.19300	-.01700	.00240	-.00010	.00030	.03530	.00070
3.000	2.005	.40490	.09040	.36720	.19300	-.01710	.00300	-.00030	.00120	.05820	1.00570
3.000	3.980	.40530	.09060	.36760	.19340	-.01730	.00330	-.00040	.00210	.04320	1.99320
	GRADIENT	.00008	.00000	.00007	.00003	-.00000	.00016	-.00008	.00044	.00232	.49992

AMES 118-1-87 OA145C 01 (R2H0C8) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 173/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-3.989	.42030	.09330	.38130	.19990	-.02930	.00190	.00050	-.00180	5.03350	-2.00090
3.000	-2.004	.41970	.09300	.38080	.19950	-.02890	.00240	.00020	-.00070	5.03020	-1.00560
3.000	.004	.41960	.09290	.38070	.19940	-.02890	.00230	-.00010	.00030	5.00880	-.00180
3.000	1.997	.41980	.09300	.38090	.19950	-.02880	.00290	-.00040	.00140	5.03050	.99460
3.000	4.001	.42070	.09340	.38170	.20010	-.02920	.00340	-.00070	.00250	5.02690	1.99660
	GRADIENT	.00005	.00001	.00005	.00002	.00001	.00018	-.00015	.00054	-.00065	.50023

AMES 118-1-87 OA145C 01 (R2H0C9) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREL =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 174/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-4.013	.39190	.08940	.35490	.18870	-.00740	.00190	.00000	-.00120	-4.93700	-2.01080
3.000	-2.000	.39190	.08930	.35500	.18860	-.00730	.00210	-.00010	-.00040	-4.94790	-1.00390
3.000	.000	.39170	.08920	.35470	.18850	-.00720	.00260	-.00010	.00030	-4.93030	-.00410
3.000	1.984	.39180	.08920	.35480	.18850	-.00720	.00300	-.00020	.00110	-4.98330	.98940
3.000	4.007	.39220	.08940	.35520	.18880	-.00740	.00340	-.00030	.00190	-4.93470	1.99920
	GRADIENT	.00003	-.00000	.00002	.00001	.00000	.00019	-.00003	.00038	-.00152	.50007

AMES 118-1-87 OA145C 01 (R2H0D0) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 161/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.285	.40310	.08630	.36620	.18920	-.01660	.08540	.00380	.00950	.02710	-.00840
3.000	-4.215	.40090	.08810	.36380	.19020	-.01390	.05330	.00480	.00530	.02710	-.00840
3.000	-2.084	.39990	.08920	.36250	.19100	-.01130	.02540	.00380	.00210	.02710	-.00840
3.000	-1.050	.40010	.08900	.36270	.19090	-.01090	.01260	.00300	.00060	.03660	-.00890
3.000	.035	.39960	.08960	.36200	.19140	-.00990	-.00210	.00230	-.00120	.04400	-.01150
3.000	1.114	.39920	.08980	.36170	.19140	-.01030	-.01670	.00160	-.00300	.03660	-.00890
3.000	2.153	.39950	.09030	.36180	.19190	-.01010	-.03020	.00100	-.00460	.02710	-.00840
3.000	3.237	.39930	.09010	.36160	.19180	-.01050	-.04200	-.00050	-.00580	.03660	-.00890
	GRADIENT	-.00021	.00028	-.00028	.00022	.00043	-.01293	-.00069	-.00152	.00094	-.00006

AMES 118-1-87 OA145C OI (R2H001) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 150/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	.318	-.03610	.11330	-.03670	.11310	-.00510	.00060	-.00030	-.00010	.03140	-.00860
3.000	3.072	.03480	.11000	.02880	.11180	-.00580	.00110	-.00020	.00000	.03540	-.00360
3.000	4.051	.06140	.10840	.05360	.11250	-.00590	.00070	-.00020	.00000	.04280	-.00620
3.000	6.016	.11720	.10350	.10570	.11520	-.00770	.00070	-.00020	.00010	.03330	-.00570
3.000	8.026	.17770	.10000	.16200	.12390	-.00890	.00090	-.00020	.00010	.02590	-.00310
3.000	10.107	.24130	.09630	.22070	.13720	-.01080	.00130	-.00020	.00020	.04060	-.00390
3.000	12.125	.30490	.09380	.27840	.15570	-.01300	.00190	-.00020	.00030	.02160	-.00290
3.000	14.156	.37000	.09130	.33640	.17900	-.01550	.00280	-.00010	.00030	.04080	-.00820
3.000	15.174	.40380	.09020	.36620	.19270	-.01650	.00330	-.00010	.00040	.02800	-.00100
3.000	16.180	.43990	.08900	.39760	.20810	-.01810	.00390	-.00010	.00040	.01850	-.00050
3.000	18.194	.51140	.08620	.45890	.24160	-.02170	.00360	.00000	.00040	.04030	-.00430
3.000	20.259	.58750	.08340	.52230	.28170	-.02590	.00330	.00000	.00040	.04460	-.00440
3.000	22.249	.66480	.08100	.58470	.32670	-.03030	.00310	.00000	.00040	.02350	-.00550
3.000	26.341	.83090	.07480	.71150	.43570	-.04090	.00230	.00020	.00040	.02800	-.00100
3.000	29.787	.97770	.06980	.81390	.54630	-.04960	.00290	.00020	.00040	.03510	-.00390
	GRADIENT	.02603	-.00129	.02410	-.00023	-.00022	.00006	.00003	.00003	.00271	.00090

AMES 118-1-87 OA145C 01 (R2H0D2) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 149/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CL	CD	CLM	CY	CYN	CBL	ELEVON	AILRON
3.000	-6.328	.40890	.08770	.37130	.19230	-.02130	.08940	.00190	.01080	.02590	-.00310
3.000	-4.223	.40680	.08890	.36910	.19270	-.01920	.05770	.00260	.00670	.04490	-.00410
3.000	-2.122	.40550	.09000	.36760	.19340	-.01720	.03100	.00140	.00360	.01640	-.00260
3.000	-1.043	.40570	.08960	.36790	.19300	-.01720	.01730	.00060	.00210	.02590	-.00310
3.000	.012	.40510	.09010	.36730	.19320	-.01660	.00360	-.00010	.00030	.02590	-.00310
3.000	1.098	.40480	.08990	.36700	.19290	-.01700	-.01050	-.00090	-.00150	.04490	-.00410
3.000	2.152	.40510	.09020	.36720	.19330	-.01730	-.02430	-.00160	-.00310	.04700	-.00200
3.000	3.198	.40510	.08990	.36730	.19310	-.01790	-.03620	-.00280	-.00430	.00690	-.00210
3.000	4.243	.40630	.08910	.36860	.19270	-.01950	-.05250	-.00250	-.00630	.01640	-.00260
3.000	6.384	.40750	.08800	.37000	.19200	-.02170	-.08600	-.00170	-.01060	.03540	-.00360
	GRADIENT	-.00010	.00004	-.00010	-.00000	-.00003	-.01290	-.00066	-.00153	-.00185	.00017

AMES 118-1-87 OA145C 01 (R2H0D3) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 175/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CN	CA	CL	CD	CLM	CY	CYN	CBL	AILRON
3.496	-29.949	.31350	.08710	.28090	.16430	.01800	.00190	.00040	-.00010	.00400
3.496	-19.931	.32420	.08160	.29260	.16170	.01090	.00190	.00030	-.00010	.01980
3.496	-14.942	.32960	.08000	.29820	.16150	.00690	.00190	.00030	-.00010	.00860
3.496	-12.952	.33260	.07960	.30120	.16190	.00490	.00210	.00040	-.00010	.00690
3.496	-9.928	.33730	.07910	.30590	.16260	.00180	.00180	.00040	-.00010	.00370
3.496	-7.950	.34060	.07900	.30910	.16340	-.00050	.00190	.00040	-.00010	.00050
3.496	-4.936	.34620	.07890	.31460	.16470	-.00450	.00200	.00040	-.00010	.00130
3.496	-3.947	.34840	.07900	.31660	.16540	-.00600	.00190	.00040	-.00010	.00920
3.496	-1.944	.35240	.07920	.32050	.16670	-.00920	.00190	.00040	-.00010	.00860
3.496	.030	.35710	.07960	.32480	.16830	-.01270	.00190	.00040	-.00010	.00110
3.496	2.041	.36190	.08030	.32930	.17010	-.01660	.00190	.00040	-.00010	.01920
3.496	4.015	.36750	.08120	.33450	.17240	-.02100	.00160	.00040	-.00010	-.00160
3.496	5.026	.37060	.08180	.33740	.17380	-.02320	.00160	.00040	-.00010	-.00020
3.496	8.033	.38030	.08420	.34610	.17870	-.03100	.00160	.00040	-.00010	-.00340
3.496	10.019	.38740	.08650	.35240	.18270	-.03660	.00130	.00040	-.00010	-.00260
3.496	20.031	.43300	.10760	.39110	.21470	-.07400	.00080	.00050	.00000	-.00260
	GRADIENT	.00235	.00025	.00220	.00084	-.00183	-.00003	-.00000	.00000	.00005

AMES 118-1-87 OA145C 01 (A2H001) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	1.000		

RUN NO. 10/ 0 RN/L = .93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.087	.167	.00340	.02900	-.04430	.00060	-.03980	.20990	.00250	.04250
3.087	1.940	.00000	.01600	-.03890	.00020	-.04710	.20800	.00270	.03820
3.087	3.890	-.00380	.00580	-.03420	-.00030	-.05280	.20200	.00300	.03300
3.087	5.870	-.00730	-.00490	-.03010	-.00030	-.06280	.19360	.00300	.03300
3.087	7.859	-.01210	-.01500	-.02660	-.00050	-.07120	.18510	.00640	.01640
3.087	9.876	-.01980	-.02730	-.02390	-.00040	-.08120	.17750	.00090	.03090
3.087	11.914	-.02240	-.03610	-.02090	-.00060	-.09310	.16850	.00090	.03090
3.087	13.936	-.02010	-.04750	-.01890	-.00070	-.09990	.16090	.00330	.03330
3.087	14.949	-.03110	-.05420	-.01700	-.00080	-.10900	.15910	.00040	.04040
3.087	17.002	-.03730	-.06570	-.01520	-.00080	-.12360	.14470	-.00120	.02880
3.087	18.017	-.03960	-.07130	-.01370	-.00080	-.13220	.13830	.00190	.01190
3.087	22.120	-.05280	-.09870	-.01280	-.00080	-.17100	.10540	-.00270	.01730
3.087	29.258	-.07650	-.15250	-.01250	-.00140	-.24620	.04860	-.00150	.02850
	GRADIENT	-.00193	-.00622	.00271	-.00024	-.00348	-.00214	.00013	-.00255

AMES 118-1-87 OA145C 01 (A2H002) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 16/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
2.493	.307	-.00400	.01390	-.00030	.00150	-.03750	.24200	.00110	.04460
2.493	1.990	-.00860	.00320	-.00050	.00080	-.04500	.23970	.00090	.03990
2.493	4.010	-.01280	-.00750	-.00080	.00000	-.05300	.23090	.00190	.02090
2.493	6.033	-.01850	-.02240	-.00110	-.00060	-.06040	.22060	.00140	.03040
2.493	8.069	-.02400	-.03300	-.00140	-.00080	-.06910	.21090	.00330	.04230
2.493	10.124	-.02860	-.04270	-.00180	-.00100	-.07840	.20160	-.00260	.03090
2.493	12.200	-.03470	-.05480	-.00220	-.00120	-.09240	.19490	.00380	.03280
2.493	14.203	-.04100	-.06890	-.00250	-.00130	-.10840	.18870	.00660	.02110
2.493	15.236	-.04280	-.07380	-.00270	-.00130	-.11670	.18450	.00690	.01590
2.493	16.219	-.04520	-.08050	-.00280	-.00130	-.12520	.18000	.00690	.01590
2.493	18.252	-.05090	-.09270	-.00320	-.00150	-.14260	.16940	-.00320	.03580
2.493	20.318	-.05710	-.10630	-.00370	-.00160	-.16190	.15690	.00630	.03530
2.493	22.314	-.06330	-.11870	-.00400	-.00160	-.18270	.13690	.00780	.03780
2.493	26.427	-.07640	-.14770	-.00470	-.00160	-.22570	.08920	.00480	.01380
2.493	29.771	-.08660	-.17140	-.00530	-.00200	-.25820	.05240	.00380	.03280
	GRADIENT	-.00237	-.00576	-.00014	-.00040	-.00418	-.00304	.00023	-.00650

RUN NO. 22/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	.182	.00270	.02620	-.00020	.00060	-.02540	.19980	-.00120	.02330
3.001	1.875	-.00660	-.00460	-.00040	.00020	-.03050	.19620	.00000	.00000
3.001	3.882	-.00960	-.01230	-.00070	-.00030	-.03680	.19290	-.00500	-.00050
3.001	5.897	-.01420	-.01960	-.00090	-.00060	-.04330	.18430	-.00230	.00230
3.001	7.896	-.01890	-.02860	-.00120	-.00060	-.05160	.17600	-.00230	.00230
3.001	9.949	-.02320	-.03640	-.00150	-.00080	-.06070	.16740	.00250	-.00250
3.001	12.102	-.02820	-.04720	-.00190	-.00090	-.07240	.16060	-.00230	.00230
3.001	14.149	-.03320	-.05690	-.00210	-.00100	-.08480	.15510	.00020	.00470
3.001	15.195	-.03560	-.06160	-.00230	-.00100	-.09240	.15350	-.00330	.02130
3.001	16.195	-.03820	-.06640	-.00240	-.00100	-.10050	.14560	.00320	.02320
3.001	18.198	-.04370	-.07760	-.00270	-.00110	-.11690	.13060	-.00080	.00920
3.001	20.260	-.04900	-.08850	-.00300	-.00120	-.13570	.11580	-.00120	.02330
3.001	22.246	-.05440	-.10000	-.00340	-.00130	-.15460	.09960	.00540	.02990
3.001	26.350	-.06700	-.12840	-.00420	-.00150	-.19490	.06320	.00070	.02070
3.001	29.544	-.07680	-.14940	-.00480	-.00180	-.22760	.05060	.00160	.01160
	GRADIENT	-.00327	-.01020	-.00014	-.00024	-.00303	-.00186	-.00107	-.00624

AMES 118-1-87 OA145C 01 (A2H002) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 85/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.498	.020	-.00090	.00430	-.00020	.00030	-.01830	.15780	-.01120	.04230
3.498	2.104	-.00410	-.00360	-.00050	-.00010	-.02300	.15380	-.00570	.02780
3.498	4.642	-.00880	-.01200	-.00080	-.00040	-.02920	.15370	-.00620	.03730
3.498	7.116	-.01310	-.02110	-.00110	-.00050	-.03810	.14550	-.00620	.03730
3.498	9.674	-.01830	-.03000	-.00140	-.00070	-.04860	.13630	-.00740	.02060
3.498	11.737	-.02210	-.03760	-.00160	-.00080	-.05790	.12850	-.01340	.03560
3.498	13.767	-.02620	-.04510	-.00190	-.00080	-.06940	.12090	-.00840	.03960
3.498	14.765	-.02810	-.04900	-.00200	-.00080	-.07540	.11900	-.01020	.02330
3.498	15.755	-.03000	-.05330	-.00220	-.00090	-.08210	.11390	-.01070	.03280
3.498	17.774	-.03450	-.06230	-.00240	-.00090	-.09790	.09880	-.00730	.01630
3.498	19.824	-.03930	-.07240	-.00270	-.00100	-.11360	.08260	-.00730	.01630
3.498	22.314	-.04600	-.08650	-.00310	-.00120	-.13430	.06800	-.00470	.01780
3.498	25.034	-.05410	-.10320	-.00360	-.00140	-.15750	.05100	-.00760	.03040
	GRADIENT	-.00171	-.00352	-.00013	-.00015	-.00236	-.00086	.00104	-.00091

AMES 118-1-87 OA145C 01 (A2H003) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN.	XO
LREF =	474.8100	INCHES	YMRP =	.0000	IN.	YO
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN.	ZO
SCALE =	.0500					

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BOFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	3.250		

RUN NO. 137 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
2.493	.309	-.00370	.01530	-.00020	.00140	-.03730	.24070	.00520	.01420
2.493	2.007	-.00810	.00360	-.00040	.00070	-.04500	.23930	.00130	.04030
2.493	3.894	-.01290	-.00700	-.00070	.00000	-.05240	.23070	.00230	.02130
2.493	5.808	-.01760	-.02020	-.00090	-.00060	-.05960	.22190	.00520	.01420
2.493	7.762	-.02270	-.03020	-.00120	-.00080	-.06840	.21230	.00020	.01920
2.493	9.739	-.02800	-.04050	-.00160	-.00100	-.07670	.20290	.00400	.03750
2.493	11.930	-.03420	-.05370	-.00200	-.00120	-.09030	.19590	-.00550	.02900
2.493	13.980	-.03980	-.06720	-.00240	-.00130	-.10650	.18960	.00540	.04440
2.493	15.013	-.04190	-.07300	-.00260	-.00130	-.11520	.18590	.00380	.03280
2.493	16.180	-.04520	-.07970	-.00280	-.00130	-.12520	.18070	-.00130	.03320
2.493	18.250	-.05100	-.09280	-.00310	-.00150	-.14270	.17010	.00480	.01380
2.493	20.336	-.05720	-.10640	-.00360	-.00160	-.16240	.15680	.00330	.04230
2.493	22.507	-.06350	-.12060	-.00400	-.00160	-.18500	.13430	.01070	.02530
2.493	23.521	-.06660	-.12760	-.00410	-.00160	-.19550	.12230	.00420	.03320
2.493	26.586	-.07670	-.14890	-.00470	-.00170	-.22760	.08690	.00750	.03750
2.493	29.955	-.08690	-.17230	-.00530	-.00210	-.26020	.05230	.00510	.04410
	GRADIENT	-.00257	-.00621	-.00014	-.00039	-.00421	-.00282	-.00078	.00176

AMES 118-1-87 OA145C 01 (A2H004) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	4.000		

RUN NO. 17/ 0 RN/L = 4.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
2.493	.294	-.00280	.01650	-.00010	.00140	-.03850	.23890	.00730	.01630
2.493	2.005	-.00700	.00510	-.00030	.00070	-.04600	.23780	.00660	.03010
2.493	4.053	-.01220	-.00720	-.00060	-.00010	-.05410	.22670	.00380	.03280
2.493	6.107	-.01710	-.02070	-.00090	-.00070	-.06170	.21880	.00180	.03080
2.493	8.161	-.02250	-.03080	-.00120	-.00080	-.07050	.20880	.00400	.02300
2.493	10.234	-.02820	-.04170	-.00160	-.00100	-.07960	.19920	.00420	.02770
2.493	12.340	-.03400	-.05460	-.00200	-.00120	-.09400	.19310	-.00100	.04250
2.493	14.389	-.03940	-.06730	-.00240	-.00130	-.10970	.18670	.00430	.02330
2.493	15.421	-.04200	-.07340	-.00250	-.00130	-.11800	.18260	.00190	.02090
2.493	16.426	-.04550	-.07920	-.00270	-.00140	-.12670	.17790	.00160	.02060
2.493	18.495	-.05100	-.09210	-.00310	-.00140	-.14430	.16690	.00320	.03770
2.493	20.577	-.05690	-.10580	-.00360	-.00150	-.16410	.15300	-.00100	.03350
2.493	22.596	-.06300	-.11980	-.00400	-.00160	-.18470	.13130	.01140	.02040
2.493	26.753	-.07670	-.14790	-.00480	-.00170	-.22760	.08130	.00510	.04410
2.493	30.140	-.08850	-.17060	-.00540	-.00210	-.26020	.04870	.00620	.02980
	GRADIENT	-.00250	-.00630	-.00013	-.00040	-.00414	-.00332	-.00095	.00429

AMES 118-1-87 OA145C 01 (A2H005) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 197 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
2.493	-6.497	-.01250	-.00930	-.00040	.00040	-.05490	.29090	.00510	.04410
2.493	-4.377	-.01330	-.01380	-.00050	.00010	-.05500	.27060	.00680	.02030
2.493	-2.235	-.01420	-.01420	-.00070	-.00030	-.05610	.24830	.00320	.04670
2.493	-1.178	-.01450	-.01450	-.00080	-.00040	-.05690	.23500	.00020	.01920
2.493	-.106	-.01510	-.01420	-.00090	-.00050	-.05710	.22310	-.00050	.03300
2.493	.962	-.01570	-.01380	-.00100	-.00040	-.05700	.21010	-.00270	.02630
2.493	2.004	-.01640	-.01430	-.00110	-.00020	-.05740	.20300	-.00050	.03300
2.493	3.057	-.01700	-.01490	-.00110	.00000	-.05780	.18770	-.00030	.02870
2.493	4.134	-.01770	-.01490	-.00120	.00000	-.05780	.18750	.00470	.01820
2.493	6.279	-.01850	-.01400	-.00140	.00010	-.05730	.14730	.00140	.03040
	GRADIENT	-.00052	-.00011	-.00008	.00001	-.00031	-.01032	-.00045	-.00051

RUN NO. 27/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	-6.277	-.00980	-.00980	-.00030	.00030	-.04020	.25940	-.00080	.02370
3.001	-4.158	-.00990	-.01240	-.00050	.00010	-.04000	.23260	-.00100	.01900
3.001	-3.091	-.01020	-.01330	-.00050	-.00010	-.03940	.21940	-.00520	.01480
3.001	-2.045	-.01040	-.01420	-.00060	-.00020	-.03970	.21120	-.00760	.01240
3.001	-.987	-.01070	-.01420	-.00060	-.00040	-.03960	.19730	-.00580	.01970
3.001	.083	-.01090	-.01420	-.00070	-.00040	-.04030	.18800	-.01020	.01980
3.001	1.138	-.01140	-.01400	-.00080	-.00050	-.04030	.17610	-.00570	.02430
3.001	2.194	-.01180	-.01360	-.00090	-.00040	-.04070	.16590	-.00230	.00230
3.001	3.248	-.01220	-.01390	-.00090	-.00040	-.04090	.15250	-.00230	.00230
3.001	4.300	-.01270	-.01450	-.00100	-.00040	-.04130	.14020	-.00530	.01920
3.001	6.437	-.01340	-.01500	-.00110	-.00020	-.04240	.10680	-.00230	.00230
3.001	10.626	-.01480	-.01200	-.00130	-.00020	-.04330	.05270	-.00310	.01690
	GRADIENT	-.00033	-.00014	-.00006	-.00005	-.00020	-.01075	.00003	-.00082

AMES 118-1-87 OA145C 01 (A2H005) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 87/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.498	-6.557	-.00810	-.00890	-.00050	.00020	-.02880	.23080	-.01520	.03380
3.498	-4.471	-.00830	-.01070	-.00060	.00000	-.02920	.20150	-.01740	.02710
3.498	-2.348	-.00850	-.01200	-.00070	-.00030	-.02990	.17720	-.02020	.03880
3.498	-1.259	-.00850	-.01220	-.00070	-.00040	-.02930	.16290	-.01890	.05560
3.498	-.181	-.00870	-.01230	-.00080	-.00040	-.02950	.15270	-.01740	.03610
3.498	.892	-.00890	-.01230	-.00080	-.00040	-.02940	.13760	-.01720	.03180
3.498	1.970	-.00910	-.01230	-.00090	-.00040	-.02950	.12430	-.01490	-.00140
3.498	3.056	-.00950	-.01270	-.00090	-.00040	-.02970	.11320	-.01260	.02640
3.498	4.143	-.00970	-.01320	-.00100	-.00040	-.02990	.09520	-.01460	.06440
3.498	6.304	-.01000	-.01330	-.00100	-.00030	-.03040	.06950	-.01080	.04270
	GRADIENT	-.00017	-.00023	-.00004	-.00004	-.00005	-.01216	.00066	.00037

AMES 118-1-87 OA145C 01 (A2H006) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 29/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
2.493	-6.497	-.02750	-.03750	-.00130	-.00030	-.08150	.27540	-.00080	.00920
2.493	-4.382	-.02780	-.04030	-.00140	-.00060	-.08110	.24910	-.00080	.00920
2.493	-2.263	-.02790	-.04280	-.00150	-.00080	-.07920	.22180	-.00260	.00740
2.493	-1.197	-.02830	-.04220	-.00160	-.00100	-.07890	.21010	-.00440	.03560
2.493	-.128	-.02840	-.04190	-.00170	-.00100	-.07890	.19790	-.00530	.01920
2.493	.923	-.02870	-.04200	-.00180	-.00120	-.08020	.18670	-.00280	.01180
2.493	1.992	.02610	.01310	-.00080	.01060	-.01070	.04720	-.00580	.01970
2.493	3.011	-.02900	-.04330	-.00190	-.00120	-.08260	.16570	.00000	.00000
2.493	4.060	-.02930	-.04350	-.00190	-.00110	-.08310	.15820	-.00340	.01660
2.493	6.215	-.02910	-.04120	-.00200	-.00090	-.08370	.13100	.00400	.00850
	GRADIENT	.00153	.00145	-.00003	.00030	.00184	-.01482	-.00011	-.00026

AMES 118-1-87 OA145C 01 (A2H006) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 24/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	-6.261	-.02230	-.03700	-.00130	-.00040	-.06480	.24340	-.00620	.01930
3.001	-4.164	-.02460	-.04100	-.00140	-.00060	-.06400	.21970	-.00550	.01450
3.001	-3.100	-.02300	-.03750	-.00150	-.00070	-.06360	.20070	-.00500	.00500
3.001	-2.048	-.02270	-.03900	-.00150	-.00080	-.06310	.19410	-.00570	.00980
3.001	-.994	-.02360	-.03920	-.00160	-.00080	-.06250	.17930	-.00380	.02180
3.001	.071	-.02290	-.03890	-.00160	-.00080	-.06250	.16810	-.00670	.02880
3.001	1.123	-.02310	-.03840	-.00170	-.00090	-.06300	.15880	-.00290	.00710
3.001	2.167	-.02290	-.03880	-.00170	-.00090	-.06350	.14720	-.00380	.03080
3.001	3.203	-.02300	-.03950	-.00170	-.00090	-.06390	.13520	-.00120	.01430
3.001	4.236	-.02300	-.03840	-.00170	-.00090	-.06410	.12550	-.00490	.03610
3.001	6.376	-.02280	-.03830	-.00180	-.00080	-.06500	.08770	-.00380	.02180
3.001	10.611	-.02370	-.03670	-.00180	-.00060	-.06730	.02850	-.00880	.02680
	GRADIENT	.00010	.00009	-.00004	-.00003	-.00004	-.01091	.00029	.00224

RUN NO. 88/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.498	-6.536	-.01850	-.02700	-.00120	-.00050	-.05070	.20830	-.01450	.01450
3.498	-4.438	-.01810	-.02780	-.00120	-.00060	-.05020	.19430	-.01240	.03110
3.498	-2.336	-.01820	-.02960	-.00130	-.00060	-.04950	.15960	-.01190	.02160
3.498	-1.227	-.01820	-.03000	-.00140	-.00070	-.04910	.14790	-.01210	.02590
3.498	-.174	-.01830	-.03020	-.00140	-.00070	-.04890	.13550	-.01260	.03540
3.498	.910	-.01840	-.03020	-.00140	-.00070	-.04900	.12500	-.01260	.03540
3.498	2.008	-.01840	-.03040	-.00150	-.00070	-.04940	.11090	-.00790	.03010
3.498	3.055	-.01810	-.03060	-.00150	-.00070	-.04930	.10070	-.01000	.02800
3.498	4.127	-.01800	-.03000	-.00150	-.00070	-.04990	.08380	-.00780	.02580
3.498	6.293	-.01780	-.02930	-.00150	-.00060	-.05030	.04750	-.00570	.02780
	GRADIENT	.00000	-.00024	-.00004	-.00001	.00003	-.01227	.00054	.00004

AMES 118-1-87 OA145C 01 (A2H007) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 15/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
2.493	-6.604	-.04470	-.06980	-.00250	-.00090	-.11450	.22120	.00160	.03510
2.493	-4.476	-.04430	-.07380	-.00260	-.00100	-.11500	.21440	.00610	.03960
2.493	-3.402	-.04400	-.07480	-.00260	-.00110	-.11470	.21540	.00880	.02780
2.493	-2.331	-.04390	-.07630	-.00260	-.00110	-.11550	.20280	.00830	.03730
2.493	-1.253	-.04350	-.07600	-.00270	-.00120	-.11660	.19100	.00610	.03960
2.493	-.209	-.04360	-.07570	-.00270	-.00130	-.11720	.18390	.00260	.01610
2.493	.876	-.04340	-.07610	-.00270	-.00140	-.11690	.17770	.00380	.03280
2.493	1.956	-.04330	-.07650	-.00280	-.00150	-.11760	.17000	.00640	.02540
2.493	3.007	-.04290	-.07480	-.00280	-.00140	-.11760	.16100	.00430	.02330
2.493	4.086	-.04290	-.07230	-.00280	-.00140	-.11670	.15530	.00500	.01850
2.493	6.216	-.04180	-.07120	-.00280	-.00140	-.11440	.11150	.00380	.03280
	GRADIENT	.00016	.00009	-.00003	-.00005	-.00031	-.00745	-.00037	-.00200

RUN NO. 23/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	-6.307	-.03600	-.05850	-.00210	-.00090	-.09520	.18410	-.00470	.01430
3.001	-4.246	-.03570	-.06050	-.00220	-.00090	-.09230	.17820	-.00580	.02870
3.001	-3.178	-.03580	-.06150	-.00220	-.00100	-.09290	.16700	.00000	.00000
3.001	-2.116	-.03550	-.06130	-.00230	-.00100	-.09250	.16170	-.00530	.01020
3.001	-1.054	-.03590	-.06210	-.00230	-.00100	-.09270	.14920	-.00580	.02870
3.001	.008	-.03520	-.06200	-.00230	-.00100	-.09310	.15310	-.00760	.01240
3.001	1.087	-.03470	-.06130	-.00230	-.00100	-.09400	.14310	-.00600	.02400
3.001	2.137	-.03460	-.06110	-.00230	-.00110	-.09430	.13010	-.00480	.00970
3.001	3.188	-.03430	-.06080	-.00230	-.00110	-.09400	.12350	-.00880	.02680
3.001	4.258	-.03380	-.05970	-.00230	-.00110	-.09420	.10280	-.00330	.02130
3.001	6.366	-.03340	-.05890	-.00230	-.00110	-.09490	.06070	-.00500	.00500
3.001	10.507	-.03270	-.05490	-.00230	-.00090	-.09610	.01770	-.00570	.00980
	GRADIENT	.00024	.00010	-.00001	-.00002	-.00025	-.00786	-.00024	.00071

AMES 118-1-87 OA145C 01 (A2H007) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 151/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.498	-6.538	-.03020	-.04780	-.00190	-.00080	-.07990	.15430	-.00810	.03090
3.498	-4.413	-.02910	-.05100	-.00190	-.00080	-.07650	.15170	-.00230	.04670
3.498	-2.273	-.02830	-.05030	-.00190	-.00080	-.07670	.13010	.00110	.03010
3.498	-1.186	-.02840	-.04990	-.00190	-.00080	-.07710	.11930	-.00220	.04230
3.498	-.125	-.02840	-.04970	-.00200	-.00080	-.07670	.12000	.00110	.03010
3.498	.970	-.02820	-.04940	-.00200	-.00080	-.07670	.11140	-.00020	.00430
3.498	2.035	-.02820	-.04930	-.00190	-.00080	-.07670	.10060	-.00070	.01380
3.498	3.103	-.02790	-.04890	-.00200	-.00080	-.07660	.08720	-.00080	.01820
3.498	4.182	-.02760	-.04870	-.00200	-.00080	-.07720	.06730	-.00290	.01610
3.498	6.302	-.02690	-.04760	-.00200	-.00080	-.07770	.03810	.00060	.03960
	GRADIENT	.00014	.00026	-.00001	.00000	-.00004	-.00888	-.00007	-.00400

AMES 118-1-87 OA145C 01 (A2H008) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	3.250		

RUN NO. 14/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
2.493	-6.620	-.04400	-.07050	-.00240	-.00090	-.11430	.21890	.00690	.01590
2.493	-4.514	-.04380	-.07370	-.00250	-.00100	-.11530	.21220	-.00320	.03580
2.493	-3.430	-.04370	-.07420	-.00250	-.00110	-.11490	.21280	-.00120	.03780
2.493	-2.349	-.04360	-.07510	-.00250	-.00110	-.11560	.20100	.00140	.03040
2.493	-1.293	-.04300	-.07560	-.00260	-.00120	-.11650	.19020	-.00070	.02830
2.493	-.215	-.04350	-.07590	-.00260	-.00130	-.11720	.18380	.00430	.02330
2.493	.871	-.04290	-.07580	-.00270	-.00150	-.11730	.17730	.00380	.03280
2.493	1.960	-.04290	-.07560	-.00270	-.00150	-.11790	.16980	.00370	.02820
2.493	3.033	-.04250	-.07440	-.00270	-.00140	-.11780	.16000	.00370	.02820
2.493	4.109	-.04230	-.07290	-.00270	-.00140	-.11670	.15470	.00640	.02540
2.493	6.241	-.04130	-.07080	-.00270	-.00140	-.11480	.11180	.00420	.01870
	GRADIENT	.00017	.00002	-.00003	-.00006	-.00030	-.00717	.00096	-.00109

AMES 118-1-87 OA145C 01 (A2H009) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 4.000

RUN NO. 18/ 0 RN/L = 4.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
2.493	-6.679	-.04380	-.06980	-.00250	-.00100	-.11620	.21500	.00430	.02330
2.493	-4.543	-.04340	-.07230	-.00250	-.00110	-.11690	.20910	.00380	.03280
2.493	-3.461	-.04330	-.07330	-.00250	-.00110	-.11690	.21030	.00210	.02560
2.493	-2.376	-.04310	-.07450	-.00260	-.00120	-.11750	.19810	.00300	.04200
2.493	-1.289	-.04290	-.07420	-.00260	-.00120	-.11830	.18830	.00480	.01380
2.493	-.225	-.04270	-.07380	-.00260	-.00130	-.11860	.18220	.00620	.02980
2.493	2.002	-.04240	-.07440	-.00270	-.00150	-.11900	.16840	.00540	.03890
2.493	4.134	-.04180	-.07120	-.00270	-.00150	-.11820	.15390	.00280	.04630
2.493	6.267	-.04070	-.06900	-.00260	-.00140	-.11650	.11120	.00350	.04150
	GRADIENT	.00018	.00010	-.00003	-.00005	-.00021	-.00676	.00011	.00170

AMES 118-1-87 OA145C 01 (A2H010) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 31/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
2.493	-6.536	-.05750	-.10040	-.00360	-.00140	-.15540	.13620	-.00630	.01470
2.493	-4.400	-.05730	-.10190	-.00360	-.00140	-.15630	.14000	-.00620	.01930
2.493	-2.278	-.05680	-.10320	-.00360	-.00150	-.15950	.15570	-.00620	.01930
2.493	-1.212	-.05660	-.10350	-.00360	-.00160	-.15980	.15150	-.00910	.02640
2.493	-.137	-.05640	-.10370	-.00360	-.00160	-.16070	.15410	-.00960	.03590
2.493	.947	-.05590	-.10320	-.00360	-.00160	-.16100	.15990	-.00120	.01430
2.493	2.005	-.05570	-.10230	-.00360	-.00160	-.16060	.15940	-.00600	.02400
2.493	3.061	-.05540	-.10060	-.00360	-.00170	-.15830	.15280	-.00390	.02610
2.493	4.092	-.05480	-.09830	-.00350	-.00170	-.15700	.13750	-.00580	.01420
2.493	6.187	-.05330	-.09350	-.00350	-.00160	-.15540	.09640	-.00600	.02400
	GRADIENT	.00028	.00039	.00001	-.00003	-.00007	.00020	.00031	-.00023

AMES 118-1-87 OA145C 01 (A2H010) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 25/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	-6.407	-.04930	-.08570	-.00310	-.00120	-.13350	.11640	-.00380	.02180
3.001	-4.290	-.04840	-.08780	-.00300	-.00120	-.13390	.10920	-.00020	.00430
3.001	-3.214	-.04820	-.08800	-.00300	-.00120	-.13520	.10710	-.00550	.01450
3.001	-2.194	-.04840	-.08860	-.00300	-.00120	-.13550	.11350	-.00520	.00930
3.001	-1.124	-.04820	-.08800	-.00300	-.00110	-.13640	.11430	-.00810	.02190
3.001	-.068	-.04800	-.08760	-.00300	-.00120	-.13690	.11570	-.00830	.01730
3.001	1.024	-.04830	-.08720	-.00300	-.00120	-.13670	.12160	-.00070	.01380
3.001	2.081	-.04740	-.08630	-.00300	-.00110	-.13520	.12320	-.00340	.01660
3.001	3.153	-.04680	-.08520	-.00300	-.00110	-.13390	.10940	-.00290	.00710
3.001	4.215	-.04610	-.08370	-.00300	-.00110	-.13380	.09040	-.00390	.02610
3.001	6.309	-.04460	-.08060	-.00290	-.00110	-.13340	.05820	-.00280	.01180
3.001	10.520	-.04230	-.07440	-.00290	-.00090	-.13570	.01960	-.00340	.01660
	GRADIENT	.00024	.00047	-.00000	.00001	.00007	-.00066	.00007	.00112

RUN NO. 152/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.498	-6.474	-.04230	-.07320	-.00280	-.00110	-.11220	.09160	-.00390	.03510
3.498	-4.365	-.04120	-.07310	-.00270	-.00100	-.11280	.08630	-.00230	.04670
3.498	-2.213	-.04000	-.07290	-.00260	-.00100	-.11430	.08260	-.00280	.05620
3.498	-1.151	-.03950	-.07280	-.00260	-.00100	-.11460	.08450	.00110	.03010
3.498	-.062	-.03940	-.07280	-.00260	-.00100	-.11450	.08270	-.00440	.04460
3.498	1.049	-.03960	-.07250	-.00260	-.00100	-.11420	.08790	-.00230	.04670
3.498	2.097	-.03950	-.07200	-.00260	-.00100	-.11330	.09000	.00250	-.00250
3.498	3.144	.01760	.01310	-.00120	.01510	-.00650	-.00570	-.00020	.00430
3.498	4.226	-.03940	-.07070	-.00270	-.00100	-.11280	.05760	.00060	.03960
3.498	6.273	-.03850	-.06960	-.00260	-.00100	-.11280	.03500	-.00100	.02800
	GRADIENT	.00295	.00438	.00007	.00078	.00527	-.00605	.00039	-.00402

AMES 11B-1-87 OA145C 01 (A2H011) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 28/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
2.493	.449	-.00440	.01430	-.00040	.00150	-.04040	.22450	-.00380	.03080
2.493	2.102	-.00860	.00390	-.00060	.00080	-.04610	.21450	-.00260	.00740
2.493	2.603	-.00990	.00120	-.00070	.00060	-.04760	.21030	-.00030	.01420
2.493	5.065	-.01580	-.01410	-.00100	-.00020	-.05690	.20130	.00230	.00680
2.493	7.663	-.02210	-.02840	-.00140	-.00090	-.06750	.18450	-.00120	.02880
2.493	10.286	-.02870	-.04200	-.00180	-.00120	-.08110	.17700	-.00570	.02430
2.493	12.363	-.03410	-.05580	-.00220	-.00140	-.09440	.17180	-.00860	.03140
2.493	14.359	-.03900	-.06730	-.00250	-.00150	-.10890	.16920	-.00760	.01240
2.493	15.381	-.04150	-.07320	-.00270	-.00160	-.11720	.16590	-.00310	.01690
2.493	16.347	-.04420	-.07890	-.00280	-.00160	-.12530	.16420	.00020	.00470
2.493	18.393	-.04960	-.09050	-.00320	-.00160	-.14260	.15960	-.00530	.01920
2.493	20.491	-.05570	-.10300	-.00360	-.00160	-.16150	.15850	-.00260	.00740
2.493	22.876	-.06320	-.11790	-.00400	-.00160	-.18450	.15010	-.00480	.00970
2.493	25.624	-.07130	-.13710	-.00450	-.00170	-.21420	.11460	-.00280	.01180
	GRADIENT	-.00255	-.00613	-.00013	-.00042	-.00337	-.00645	.00140	-.00932

RUN NO. 26/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	.411	-.00280	.00650	-.00030	.00060	-.02840	.17600	-.01070	.02030
3.001	1.923	-.00570	-.00060	-.00050	.00020	-.03140	.17630	-.00600	.02400
3.001	3.948	-.00960	-.00940	-.00080	-.00030	-.03730	.16840	-.00330	.01230
3.001	5.979	-.01370	-.01700	-.00100	-.00060	-.04440	.16230	-.00390	.02610
3.001	8.028	-.01820	-.02600	-.00130	-.00080	-.05260	.15080	-.00290	.00710
3.001	10.090	-.02250	-.03530	-.00160	-.00090	-.06260	.14520	-.00700	.03400
3.001	12.178	-.02720	-.04550	-.00180	-.00100	-.07450	.13690	-.01290	.02260
3.001	14.087	-.03160	-.05480	-.00210	-.00100	-.08740	.13170	-.01030	.01520
3.001	15.147	-.03420	-.06000	-.00220	-.00100	-.09500	.13020	-.00700	.03400
3.001	16.099	-.03660	-.06480	-.00230	-.00110	-.10190	.13160	-.00570	.00980
3.001	18.142	-.04180	-.07460	-.00270	-.00120	-.11790	.12740	-.01050	.01950
3.001	20.243	-.04750	-.08620	-.00300	-.00110	-.13530	.12330	-.00810	.02190
3.001	22.219	-.05340	-.09790	-.00340	-.00120	-.15310	.11650	-.00780	.00780
3.001	26.329	-.06540	-.12480	-.00410	-.00160	-.19450	.07530	-.00780	.00780
3.001	29.557	-.07520	-.14450	-.00470	-.00180	-.22660	.05640	-.00550	.01450
	GRADIENT	-.00192	-.00449	-.00014	-.00025	-.00254	-.00224	.00205	-.00245

AMES 118-1-87 OA145C 01 (A2H011) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 86/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.498	.077	-.00170	.00290	-.00030	.00010	-.02000	.13550	-.00290	.02510
3.498	2.252	-.00520	-.00440	-.00060	-.00020	-.02310	.13340	-.00530	.02270
3.498	8.729	-.01630	-.02650	-.00130	-.00070	-.04400	.11470	-.00780	.02580
3.498	9.877	-.01850	-.03050	-.00140	-.00070	-.04920	.11110	-.00710	.01190
3.498	11.899	-.02190	-.03790	-.00170	-.00070	-.05910	.10350	-.01450	.02900
3.498	13.874	-.02600	-.04550	-.00190	-.00080	-.07020	.10100	-.01310	.04490
3.498	14.910	-.02840	-.04960	-.00200	-.00080	-.07710	.09870	-.01650	.04350
3.498	15.874	-.03050	-.05340	-.00220	-.00090	-.08370	.09890	-.01360	.04540
3.498	17.922	-.03490	-.06240	-.00250	-.00100	-.09820	.09550	-.01310	.03590
3.498	19.999	-.03970	-.07260	-.00270	-.00100	-.11410	.08790	-.01330	.04030
3.498	22.477	-.04610	-.08600	-.00310	-.00120	-.13470	.07710	-.01210	.01690
3.498	25.146	-.05360	-.10160	-.00360	-.00140	-.15840	.06160	-.01200	.01150
	GRADIENT	-.00161	-.00335	-.00014	-.00014	-.00142	-.00097	-.00110	-.00110

AMES 118-1-87 OA145C 01 (A2H012) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	5.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 41/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	.182	-.01030	-.01150	-.00040	.00020	-.02860	.19950	-.01460	5.02620
3.000	1.965	-.01410	-.02030	-.00060	-.00010	-.03260	.19560	-.01730	5.02890
3.000	6.010	-.02370	-.03980	-.00110	-.00070	-.04570	.18360	-.01690	5.02390
3.000	8.005	-.02890	-.05020	-.00150	-.00080	-.05440	.17560	-.01150	5.00910
3.000	10.062	-.03440	-.06060	-.00180	-.00090	-.06360	.16730	-.01420	5.01180
3.000	12.123	-.04030	-.07250	-.00220	-.00110	-.07550	.16080	-.01420	5.01180
3.000	14.119	-.04630	-.08360	-.00250	-.00110	-.08870	.15530	-.01730	5.02890
3.000	15.155	-.04960	-.08940	-.00260	-.00110	-.09540	.15370	-.01690	5.01920
3.000	16.146	-.05300	-.09540	-.00270	-.00120	-.10320	.14590	-.01660	5.01420
3.000	18.170	-.05960	-.10860	-.00310	-.00120	-.12050	.13080	-.01660	5.00950
3.000	20.229	-.06660	-.12220	-.00350	-.00130	-.13960	.11590	-.01690	5.01920
3.000	22.213	-.07390	-.13680	-.00390	-.00140	-.15880	.10010	-.01150	5.00910
3.000	26.328	-.08900	-.16930	-.00480	-.00180	-.20100	.06430	-.02160	5.00990
3.000	29.806	-.10210	-.19680	-.00550	-.00210	-.23840	.04660	-.01420	5.01650
	GRADIENT	-.00213	-.00494	-.00011	-.00017	-.00224	-.00219	-.00151	.00151

AMES 118-1-87 OA145C 01 (A2H013) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 0/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	.182	-.01980	-.03190	-.00070	.00000	-.02950	.19970	-.00200	10.01900
3.000	2.411	-.02550	-.04400	-.00100	-.00040	-.03500	.19390	-.00410	10.02600
3.000	4.933	-.03230	-.05810	-.00130	-.00080	-.04320	.18800	-.00440	10.01600
3.000	10.065	-.04900	-.08960	-.00230	-.00100	-.06540	.16740	-.01170	10.01400
3.000	12.117	-.05630	-.10340	-.00270	-.00110	-.07720	.16060	-.00910	10.00300
3.000	14.124	-.06400	-.11660	-.00300	-.00120	-.09050	.15500	-.00730	10.01200
3.000	15.160	-.06790	-.12420	-.00320	-.00120	-.09750	.15320	-.00230	10.01400
3.000	16.146	-.07200	-.13160	-.00330	-.00130	-.10540	.14590	-.00710	10.00900
3.000	18.170	-.08040	-.14750	-.00380	-.00140	-.12350	.13050	-.00710	10.00900
3.000	20.226	-.08950	-.16360	-.00430	-.00150	-.14260	.11570	-.01180	10.00100
3.000	22.628	-.10000	-.18400	-.00490	-.00170	-.16630	.09720	-.00640	10.01400
3.000	25.394	-.11220	-.20920	-.00560	-.00200	-.19540	.07140	-.01850	10.00700
	GRADIENT	-.00263	-.00552	-.00013	-.00017	-.00289	-.00246	-.00050	-.00070

AMES 118-1-87 OA145C 01 (A2H014) (06 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	BETA	=	.000	ELEVON = 20.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	AILRON	=	.000	BDFLAP = .000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDBRK	=	55.000	RUDDER = .000
SCALE	=	.0500						RN/L	=	2.500	

PARAMETRIC DATA

RUN NO. 39/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	.181	-.04410	-.08990	-.00110	-.00040	-.02870	.19960	-.01920	20.01900
3.000	2.440	-.05340	-.10750	-.00150	-.00070	-.03540	.19400	-.01690	20.01600
3.000	4.954	-.06420	-.12730	-.00200	-.00100	-.04420	.18810	-.02670	20.00700
3.000	7.465	-.07630	-.14920	-.00260	-.00100	-.05470	.17740	-.02680	20.02600
3.000	10.066	-.09010	-.17340	-.00320	-.00120	-.06740	.16730	-.02650	20.00100
3.000	12.139	-.10290	-.19390	-.00360	-.00140	-.07960	.16070	-.01670	20.03100
3.000	14.123	-.11460	-.21460	-.00410	-.00160	-.09290	.15510	-.01940	20.01400
3.000	15.156	-.12070	-.22520	-.00430	-.00170	-.09980	.15350	-.01670	20.01100
3.000	16.146	-.12700	-.23580	-.00460	-.00180	-.10710	.14600	-.01940	20.03400
3.000	18.177	-.13970	-.25820	-.00510	-.00210	-.12480	.13050	-.02180	20.01100
3.000	20.228	-.15240	-.28060	-.00580	-.00230	-.14440	.11590	-.01690	20.02600
3.000	22.618	-.16720	-.30830	-.00660	-.00260	-.17080	.09720	-.02200	20.03600
3.000	25.389	-.18370	-.34020	-.00760	-.00300	-.20220	.07170	-.01380	20.00300
	GRADIENT	-.00421	-.00784	-.00019	-.00013	-.00325	-.00241	-.00162	-.00253

AMES 118-1-87 OA145C 01 (A2H015) (06 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	BETA	=	.000	ELEVON = -5.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	AILRON	=	.000	BDFLAP = .000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDBRK	=	55.000	RUDDER = .000
SCALE	=	.0500						RN/L	=	2.500	

PARAMETRIC DATA

RUN NO. 45/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	.188	.00670	.02980	.00010	.00100	-.02510	.19920	-.00130	-4.93310
3.001	1.871	.00410	.01970	-.00010	.00050	-.03020	.19600	.00800	-4.96110
3.001	3.991	.00030	.00800	-.00040	.00000	-.03710	.19230	.01050	-4.92620
3.001	6.076	-.00370	-.00290	-.00060	-.00030	-.04410	.18340	-.01270	-4.94970
3.001	8.063	-.00810	-.00960	-.00090	-.00050	-.05170	.17520	-.00990	-4.95250
3.001	10.101	-.01240	-.01610	-.00120	-.00060	-.06030	.16710	-.00650	-4.96520
3.001	12.167	-.01650	-.02560	-.00150	-.00080	-.07110	.16050	-.00340	-4.94040
3.001	14.173	-.02050	-.03370	-.00180	-.00080	-.08420	.15510	.00930	-4.94380
3.001	15.211	-.02250	-.03750	-.00200	-.00090	-.09130	.15340	.01140	-4.93650
3.001	16.191	-.02450	-.04140	-.00210	-.00100	-.09850	.14540	.00070	-4.92580
3.001	18.229	-.02880	-.05060	-.00240	-.00110	-.11550	.13050	-.01800	-4.94450
3.001	20.282	-.03330	-.06030	-.00270	-.00120	-.13410	.11560	-.01070	-4.94240
3.001	22.267	-.03790	-.06990	-.00310	-.00120	-.15210	.09900	-.02160	-4.96420
3.001	26.348	-.04840	-.09380	-.00380	-.00140	-.19150	.06200	.01460	-4.94900
3.001	29.798	-.05760	-.11220	-.00450	-.00170	-.22590	.04860	.00470	-4.94840
	GRADIENT	-.00169	-.00572	-.00013	-.00026	-.00316	-.00181	.00302	.00244

AMES 118-1-87 OA145C 01 (A2H016) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 0/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	.189	.01510	.05030	.00060	.00150	-.02320	.19910	.00640	-9.94610
3.001	2.462	.01170	.03710	.00020	.00070	-.02850	.19360	.00600	-9.92580
3.001	5.024	.00750	.02230	-.00020	.00010	-.03900	.18770	.00840	-9.92820
3.001	7.613	.00260	.00970	-.00050	-.00020	-.04880	.17640	.00650	-9.96100
3.001	10.117	-.00230	.00270	-.00090	-.00040	-.05950	.16670	.00900	-9.94350
3.001	12.158	-.00570	-.00610	-.00120	-.00070	-.06920	.16030	.00640	-9.95090
3.001	14.171	-.00920	-.01300	-.00150	-.00070	-.08210	.15500	.00380	-9.93830
3.001	15.226	-.01120	-.01650	-.00160	-.00080	-.08950	.15320	.00640	-9.94610
3.001	16.195	-.01300	-.02000	-.00180	-.00080	-.09650	.14550	.00160	-9.94610
3.001	18.219	-.01640	-.02880	-.00210	-.00090	-.11380	.13040	.00380	-9.93830
3.001	20.285	-.02020	-.03750	-.00240	-.00100	-.13210	.11540	.00620	-9.93600
3.001	22.765	-.02530	-.04770	-.00280	-.00100	-.15410	.09560	.00180	-9.95630
3.001	25.372	-.03060	-.06090	-.00330	-.00110	-.17910	.07130	.00700	-9.96150
	GRADIENT	-.00150	-.00581	-.00018	-.00035	-.00233	-.00242	-.00018	.00893

AMES 118-1-87 OA145C 01 (A2H017) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO				
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO				
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO				
SCALE =	.0500						

PARAMETRIC DATA

BETA =	.000	ELEVON =	-20.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 47/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	.180	.03750	.09210	.00160	.00370	-.01510	.19950	.03330	-19.97600
3.001	2.531	.03210	.07670	.00110	.00250	-.02400	.19330	.03330	-19.97600
3.001	5.058	.02670	.05790	.00070	.00130	-.03610	.18740	.03310	-19.98100
3.001	7.325	.02180	.04460	.00030	.00050	-.04380	.17730	.03580	-19.97800
3.001	10.092	.01600	.04130	-.00020	.00020	-.05620	.16700	.02810	-19.98100
3.001	12.152	.01310	.03090	-.00050	-.00020	-.06810	.16040	.03320	-19.98100
3.001	14.166	.01010	.02370	-.00080	-.00040	-.07880	.15500	.03080	-19.97800
3.001	15.201	.00880	.02060	-.00090	-.00040	-.08570	.15340	.03360	-19.97100
3.001	16.201	.00710	.01760	-.00100	-.00050	-.09450	.14550	.01340	-19.97600
3.001	18.233	.00420	.00960	-.00130	-.00060	-.11300	.13040	.02170	-19.94900
3.001	20.272	.00130	-.00080	-.00160	-.00050	-.13090	.11570	.02170	-19.94900
3.001	22.758	-.00350	-.00980	-.00210	-.00040	-.15320	.09510	.02440	-19.94100
3.001	25.347	-.00810	-.02060	-.00250	-.00070	-.17740	.07180	.02080	-19.97400
	GRADIENT	-.00230	-.00655	-.00021	-.00051	-.00378	-.00264	.00000	.00000

AMES 118-1-87 OA145C 01 (A2H018) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO				
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO				
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO				
SCALE =	.0500						

PARAMETRIC DATA

BETA =	.000	ELEVON =	-35.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 48/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	.183	.04080	.13750	.00370	.00430	-.01900	.19910	.01380	-34.97800
3.001	2.546	.04970	.10450	.00310	.00270	-.02930	.19320	.01150	-34.97000
3.001	5.026	.05660	.07530	.00260	.00190	-.03820	.18760	.01170	-34.97000
3.001	7.610	.05380	.05380	.00190	.00110	-.04780	.17670	.01750	-34.95400
3.001	10.092	.04800	.05010	.00130	.00130	-.05870	.16690	.01380	-34.97800
3.001	12.144	.04310	.05890	.00090	.00120	-.06880	.16040	.01490	-34.95100
3.001	14.159	.03750	.06400	.00060	.00100	-.08180	.15490	.01750	-34.95400
3.001	15.197	.03580	.06580	.00030	.00070	-.08870	.15340	.01200	-34.95900
3.001	16.189	.03360	.06090	.00020	.00050	-.09530	.14580	.01250	-34.94900
3.001	18.203	.02840	.03540	.00000	.00150	-.11000	.13070	.01220	-34.94900
3.001	20.276	.02140	.02490	-.00040	.00080	-.12820	.11570	.01220	-34.94900
3.001	22.801	.01830	.01470	-.00090	.00020	-.15250	.09500	.01150	-34.97000
3.001	25.519	.01440	.00750	-.00130	-.00020	-.17800	.06790	.00620	-34.97000
	GRADIENT	.00377	-.01396	-.00025	-.00068	-.00436	-.00250	-.00097	.00339

AMES 118-1-87 OA145C 01 (A2H019) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 38/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
3.000	-14.961	.00720	.02290	-.00060	-.00020	-.05790	.16670	.00600
3.000	-12.946	.00350	.01460	-.00070	-.00030	-.05840	.16690	.00200
3.000	-9.926	-.00210	.00310	-.00090	-.00040	-.05910	.16690	.00630
3.000	-7.940	-.00610	-.00450	-.00100	-.00050	-.05970	.16700	.00500
3.000	-4.945	-.01190	-.01550	-.00120	-.00060	-.05980	.16710	-.00310
3.000	-3.921	-.01400	-.01970	-.00120	-.00070	-.06010	.16700	.00570
3.000	-1.934	-.01820	-.02740	-.00130	-.00070	-.06130	.16690	.00360
3.000	.040	-.02260	-.03630	-.00150	-.00080	-.06200	.16720	-.00460
3.000	2.023	-.02720	-.04580	-.00160	-.00090	-.06300	.16700	.00680
3.000	4.024	-.03200	-.05550	-.00170	-.00090	-.06350	.16720	-.01060
3.000	5.026	-.03460	-.06080	-.00180	-.00090	-.06400	.16710	-.00960
3.000	8.016	-.04280	-.07900	-.00200	-.00100	-.06540	.16720	-.01510
3.000	10.024	-.04930	-.09070	-.00220	-.00100	-.06610	.16710	-.01200
	GRADIENT	-.00224	-.00445	-.00006	-.00003	-.00043	.00001	-.00074

AMES 118-1-87 OA145C 01 (A2H020) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 32/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
2.493	-14.938	-.00300	.00990	-.00150	-.00070	-.10650	.18070	.00830
2.493	-12.961	-.00780	-.00020	-.00160	-.00080	-.10830	.18090	.00240
2.493	-9.941	-.01520	-.01610	-.00190	-.00090	-.10980	.18090	-.00760
2.493	-7.960	-.02290	-.02900	-.00200	-.00100	-.11090	.18100	.00550
2.493	-4.920	-.02810	-.04380	-.00230	-.00120	-.11260	.18100	.00010
2.493	-3.946	-.03090	-.05010	-.00230	-.00120	-.11340	.18100	.00090
2.493	-1.958	-.03650	-.06140	-.00250	-.00130	-.11510	.18100	.00820
2.493	.028	-.04230	-.07330	-.00260	-.00140	-.11720	.18100	.00300
2.493	2.008	-.04840	-.08640	-.00270	-.00140	-.11890	.18100	.01190
2.493	4.015	-.05520	-.09940	-.00290	-.00150	-.11990	.18110	-.00130
2.493	5.036	-.05880	-.10620	-.00300	-.00150	-.12060	.18110	-.01030
2.493	8.028	-.07010	-.12950	-.00340	-.00160	-.12290	.18100	-.01930
2.493	10.016	-.07860	-.14490	-.00370	-.00170	-.12330	.18100	-.00510
	GRADIENT	-.00301	-.00618	-.00007	-.00003	-.00065	.00001	.00028

RUN NO. 33/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
3.000	-14.966	-.00030	.00520	-.00120	-.00060	-.08720	.15330	.00580
3.000	-12.964	-.00430	-.00370	-.00130	-.00070	-.08770	.15330	.00520
3.000	-9.946	-.01080	-.01580	-.00150	-.00080	-.08870	.15350	.00200
3.000	-7.935	-.01530	-.02350	-.00170	-.00080	-.08930	.15340	.00420
3.000	-4.933	-.02170	-.03640	-.00190	-.00090	-.09020	.15330	-.00170
3.000	-3.938	-.02420	-.04140	-.00190	-.00090	-.09090	.15340	-.00140
3.000	-1.958	-.02910	-.05020	-.00200	-.00100	-.09170	.15330	.00380
3.000	.041	-.03440	-.06020	-.00220	-.00100	-.09270	.15330	-.00480
3.000	2.023	-.03930	-.07110	-.00230	-.00110	-.09390	.15330	.00680
3.000	4.001	-.04600	-.08260	-.00250	-.00110	-.09470	.15340	-.00670
3.000	5.002	-.04940	-.08880	-.00250	-.00110	-.09530	.15330	-.00880
3.000	8.018	-.05970	-.10990	-.00290	-.00120	-.09720	.15320	-.01190
3.000	10.026	-.06800	-.12460	-.00310	-.00120	-.09760	.15330	-.00870
	GRADIENT	-.00270	-.00512	-.00007	-.00002	-.00050	.00000	-.00017

AMES 118-1-87 OA145C 01 (A2H020) (03 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 84/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
3.498	-14.935	.00050	.00490	-.00110	-.00060	-.07210	.11860	.01140
3.498	-12.951	-.00230	-.00680	-.00120	-.00070	-.07230	.11840	-.00270
3.498	-9.941	-.00780	-.01410	-.00150	-.00070	-.07310	.11890	.01160
3.498	-7.942	-.01180	-.02010	-.00160	-.00080	-.07330	.11870	.00710
3.498	-4.943	-.01740	-.03000	-.00180	-.00080	-.07380	.11880	.00420
3.498	-3.932	-.01950	-.03410	-.00180	-.00080	-.07390	.11870	.00590
3.498	-1.925	-.02380	-.04100	-.00190	-.00090	-.07470	.11890	-.00050
3.498	.029	-.02800	-.04880	-.00200	-.00090	-.07520	.11880	-.00630
3.498	2.043	-.03310	-.05820	-.00220	-.00090	-.07570	.11880	.01170
3.498	4.024	-.03870	-.06830	-.00230	-.00090	-.07680	.11910	-.00530
3.498	5.039	-.04160	-.07400	-.00240	-.00090	-.07720	.11890	-.01770
3.498	8.028	-.05110	-.09340	-.00260	-.00090	-.07860	.11890	-.00170
3.498	10.019	-.05860	-.10680	-.00280	-.00100	-.07920	.11900	-.01140
	GRADIENT	-.00235	-.00421	-.00006	-.00001	-.00032	.00003	-.00055

AMES 118-1-87 OA145C 01 (A2H021) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 37/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON
3.000	-14.945	-.00840	-.01570	-.00190	-.00080	-.13060	.11560	.01130
3.000	-12.959	-.01270	-.02380	-.00210	-.00090	-.13060	.11560	.00500
3.000	-9.943	-.01980	-.03660	-.00230	-.00100	-.13120	.11560	.00380
3.000	-7.937	-.02520	-.04520	-.00240	-.00110	-.13190	.11560	.00180
3.000	-4.935	-.03280	-.05960	-.00260	-.00120	-.13310	.11560	-.00370
3.000	-3.943	-.03570	-.06530	-.00270	-.00110	-.13390	.11560	-.00090
3.000	-1.942	-.04170	-.07560	-.00280	-.00110	-.13490	.11550	.00570
3.000	.015	-.04800	-.08740	-.00300	-.00120	-.13600	.11550	.00190
3.000	2.023	-.05490	-.10050	-.00310	-.00130	-.13730	.11560	.00690
3.000	4.017	-.06250	-.11430	-.00330	-.00130	-.13910	.11570	-.00390
3.000	5.011	-.06660	-.12200	-.00340	-.00130	-.13970	.11560	-.00880
3.000	8.036	-.07940	-.14760	-.00380	-.00140	-.14130	.11560	-.02130
3.000	10.019	-.08970	-.16450	-.00420	-.00150	-.14280	.11550	-.01170
	GRADIENT	-.00330	-.00606	-.00008	-.00002	-.00064	.00001	.00023

AMES 118-1-87 OA145C 01 (A2H032) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 0/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	ELEVON
3.000	-4.978	-.02190	-.03620	-.00190	-.00090	-.09030	.15340	.03850
3.000	-2.983	-.02660	-.04570	-.00200	-.00100	-.09110	.15340	.04870
3.000	-1.973	-.02920	-.05040	-.00200	-.00100	-.09160	.15330	.04310
3.000	-.979	-.03210	-.05520	-.00210	-.00100	-.09210	.15340	.04790
3.000	-.006	-.03440	-.06030	-.00220	-.00100	-.09260	.15340	.02320
3.000	.977	-.03720	-.06560	-.00220	-.00100	-.09330	.15350	.02060
3.000	1.993	-.04000	-.07120	-.00230	-.00110	-.09380	.15340	.02250
3.000	2.983	-.04300	-.07700	-.00240	-.00110	-.09440	.15330	.05330
3.000	4.968	-.04940	-.08870	-.00250	-.00110	-.09520	.15330	.05280
3.000	7.972	-.05970	-.10970	-.00280	-.00120	-.09640	.15330	.03270
3.000	9.980	-.06780	-.12450	-.00310	-.00120	-.09670	.15330	.03650
	GRADIENT	-.00275	-.00527	-.00006	-.00002	-.00052	-.00001	.00022

AMES 118-1-87 OA145C 01 (A2H048) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 49/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	-9.476	-.02270	-.03660	-.00160	-.00080	-.06260	.10220	-.00130	.03320
3.001	-4.926	-.02270	-.03670	-.00160	-.00080	-.06250	.13130	.00140	.03040
3.001	-2.417	-.02270	-.03670	-.00150	-.00080	-.06250	.14900	-.00200	.04700
3.001	.036	-.02270	-.03670	-.00150	-.00080	-.06250	.16690	-.00150	.03750
3.001	2.504	-.02270	-.03670	-.00150	-.00080	-.06260	.18720	-.00180	.04270
3.001	4.998	-.02270	-.03670	-.00150	-.00080	-.06250	.20820	-.00180	.04270
3.001	10.010	-.02270	-.03670	-.00150	-.00080	-.06270	.25180	-.00360	.03540
	GRADIENT	-.00000	-.00000	.00001	-.00000	-.00000	.00775	-.00025	.00082

AMES 118-1-87 OA145C 01 (A2H049) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 0/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-22.746	-.03440	-.06030	-.00220	-.00110	-.09250	.03920	-.00600	.01500
3.000	-17.917	-.03440	-.06040	-.00220	-.00110	-.09250	.05560	-.00330	.01230
3.000	-14.947	-.03440	-.06040	-.00220	-.00110	-.09240	.06710	-.00380	.02180
3.000	-9.485	-.03440	-.06040	-.00220	-.00110	-.09240	.09350	-.00430	.03130
3.000	-4.946	-.03450	-.06050	-.00220	-.00100	-.09250	.12050	-.00380	.02180
3.000	-2.447	-.03430	-.06050	-.00220	-.00100	-.09270	.13680	-.00260	.00740
3.000	.036	-.03450	-.06040	-.00220	-.00100	-.09280	.15360	-.00170	.02380
3.000	2.504	-.03440	-.06050	-.00220	-.00100	-.09260	.17190	-.00550	.01450
3.000	4.978	-.03440	-.06050	-.00220	-.00100	-.09270	.19030	-.00050	.00950
3.000	10.031	-.03440	-.06050	-.00220	-.00100	-.09250	.22990	-.00310	.01690
3.000	15.017	-.03450	-.06050	-.00220	-.00100	-.09250	.27140	-.00380	.02180
3.000	22.811	-.03450	-.06040	-.00220	-.00100	-.09260	.31950	-.00280	.00280
	GRADIENT	.00000	.00000	.00000	-.00000	-.00001	.00704	.00015	-.00071

AMES 118-1-87 OA145C 01 (A2H050) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 50/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	-9.485	-.04800	-.08770	-.00310	-.00120	-.13610	.06790	-.00360	.03540
3.001	-4.936	-.04800	-.08760	-.00310	-.00120	-.13620	.08890	.00110	.03560
3.001	-2.427	-.04810	-.08770	-.00310	-.00120	-.13660	.10230	-.00310	.02590
3.001	-.021	-.04800	-.08780	-.00300	-.00120	-.13660	.11570	.00000	.00000
3.001	2.504	-.04810	-.08770	-.00300	-.00120	-.13670	.13210	-.00120	.03780
3.001	4.998	-.04790	-.08770	-.00300	-.00120	-.13640	.14660	-.00810	.03640
3.001	10.031	-.04800	-.08780	-.00310	-.00120	-.13630	.17980	-.00860	.04590
	GRADIENT	.00001	-.00001	.00001	-.00000	-.00002	.00586	-.00067	.00057

AMES 118-1-87 OA145C 01 (A2H051) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 0/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	.190	-.00170	.00780	-.00020	.00060	-.02620	.15740	-.00340	.03110
3.001	2.562	-.00610	-.00380	-.00050	.00000	-.03350	.15390	-.00180	.04270
3.001	5.039	-.01100	-.01500	-.00080	-.00050	-.04080	.14820	-.00670	.04330
3.001	7.621	-.01680	-.02620	-.00110	-.00060	-.05090	.13890	-.00480	.02420
3.001	10.113	-.02240	-.03640	-.00150	-.00080	-.06210	.13150	.00670	.04120
3.001	12.167	-.02720	-.04660	-.00180	-.00100	-.07300	.12590	-.01290	.03710
3.001	14.166	-.03210	-.05610	-.00210	-.00100	-.08580	.12140	-.00550	.02900
3.001	15.203	-.03450	-.06080	-.00230	-.00100	-.09300	.12050	-.00480	.02420
3.001	18.187	-.03710	-.06560	-.00240	-.00110	-.10070	.11350	.00050	.01400
3.001	18.204	-.04260	-.07670	-.00270	-.00110	-.11780	.10100	-.00520	.02380
3.001	20.302	-.04820	-.08780	-.00310	-.00120	-.13660	.08910	.00120	.03480
3.001	22.769	-.05530	-.10270	-.00350	-.00130	-.16000	.07300	-.00190	.01160
3.001	25.492	-.06380	-.12170	-.00400	-.00150	-.18650	.05300	-.00810	.03640
	GRADIENT	-.00185	-.00489	-.00013	-.00025	-.00308	-.00148	.00067	.00489

AMES 118-1-87 OA145C 01 (A2H052) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 53/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	-6.256	-.02300	-.03040	-.00130	-.00040	-.06470	.19440	-.00580	.02870
3.001	-4.163	-.02300	-.03330	-.00140	-.00060	-.06380	.17260	.00070	.03530
3.001	-2.051	-.02270	-.03580	-.00150	-.00080	-.06280	.15160	-.00390	.04060
3.001	-.992	-.02250	-.03640	-.00150	-.00080	-.06210	.14000	-.01370	.04630
3.001	.077	-.02250	-.03640	-.00150	-.00080	-.06230	.13130	-.00740	.01710
3.001	1.118	-.02260	-.03600	-.00160	-.00090	-.06280	.12400	-.00740	.01710
3.001	2.167	-.02280	-.03640	-.00160	-.00090	-.06330	.11410	-.00820	.04080
3.001	3.202	-.02280	-.03710	-.00170	-.00090	-.06370	.10440	-.00480	.04980
3.001	4.240	-.02280	-.03640	-.00170	-.00090	-.06390	.09630	-.00670	.04330
3.001	6.381	-.02260	-.03580	-.00170	-.00080	-.06470	.06300	-.00130	.04220
	GRADIENT	.00000	-.00032	-.00004	-.00003	-.00007	-.00898	-.00052	.00082

AMES 118-1-87 OA145C 01 (A2H053) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 54/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	-6.346	-.03550	-.05760	-.00210	-.00090	-.09530	.14780	.00060	.03960
3.001	-4.237	-.03500	-.05920	-.00220	-.00090	-.09250	.14130	-.00080	.02370
3.001	-2.127	-.03500	-.06030	-.00220	-.00100	-.09270	.12650	-.01260	.03190
3.001	-1.061	-.03510	-.06060	-.00230	-.00100	-.09260	.11510	-.00340	.04010
3.001	-.005	-.03440	-.06050	-.00220	-.00110	-.09280	.12020	-.00840	.03610
3.001	1.056	-.03400	-.06010	-.00220	-.00100	-.09380	.11290	-.00740	.01710
3.001	2.123	-.03380	-.06000	-.00220	-.00110	-.09410	.10320	-.01050	.03400
3.001	3.196	-.03360	-.05970	-.00230	-.00120	-.09360	.09790	-.01050	.03400
3.001	4.277	-.03330	-.05880	-.00230	-.00110	-.09380	.08220	-.01600	.02450
3.001	6.377	-.03270	-.05760	-.00230	-.00120	-.09430	.04760	-.00720	.02180
	GRADIENT	.00023	.00006	-.00001	-.00003	-.00019	-.00620	-.00083	-.00008

AMES 118-1-87 OA145C 01 (A2H054) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 55/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	-6.378	-.04960	-.08700	-.00320	-.00120	-.13360	.09560	-.01000	.02450
3.001	-4.295	-.04860	-.08810	-.00310	-.00120	-.13420	.08850	-.01000	.02450
3.001	-2.201	-.04820	-.08850	-.00300	-.00120	-.13570	.08790	-.00760	.02690
3.001	-1.132	-.04800	-.08800	-.00300	-.00120	-.13640	.08600	-.01100	.04350
3.001	-.068	-.04800	-.08780	-.00310	-.00120	-.13670	.08880	-.01050	.03400
3.001	1.016	-.04770	-.08710	-.00310	-.00120	-.13670	.09260	-.01500	.02950
3.001	2.076	-.04730	-.08650	-.00310	-.00120	-.13470	.09420	-.01260	.03190
3.001	3.145	-.04670	-.08550	-.00310	-.00120	-.13370	.08570	-.01020	.01980
3.001	4.205	-.04620	-.08420	-.00300	-.00120	-.13370	.07180	-.00710	.02640
3.001	6.304	-.04480	-.08110	-.00300	-.00120	-.13360	.04770	-.00450	.01900
	GRADIENT	.00027	.00047	-.00000	-.00000	.00016	-.00097	-.00003	-.00049

AMES 118-1-87 OA145C 01 (A2H055) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO: 51/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	-22.746	-.03420	-.06040	-.00230	-.00110	-.09440	.03540	-.00550	.02900
3.001	-17.927	-.03420	-.06070	-.00230	-.00110	-.09440	.04910	-.00600	.03850
3.001	-14.936	-.03410	-.06070	-.00230	-.00110	-.09460	.05880	-.00290	.02160
3.001	-9.494	-.03410	-.06050	-.00230	-.00110	-.09480	.08100	-.00600	.03850
3.001	-4.946	-.03410	-.06050	-.00230	-.00110	-.09500	.10300	-.00550	.02900
3.001	-2.437	-.03400	-.06050	-.00230	-.00110	-.09510	.11630	-.00520	.02380
3.001	.044	-.03400	-.06060	-.00230	-.00110	-.09510	.13070	-.00650	.04800
3.001	2.534	-.03420	-.06060	-.00230	-.00110	-.09510	.14670	-.00770	.03130
3.001	5.008	-.03410	-.06060	-.00230	-.00110	-.09520	.16300	-.00760	.02690
3.001	10.010	-.03410	-.06060	-.00230	-.00110	-.09500	.19830	-.00820	.04080
3.001	14.996	-.03410	-.06060	-.00230	-.00110	-.09500	.23430	-.00470	.01430
3.001	22.834	-.03400	-.06050	-.00230	-.00110	-.09480	.29020	-.00720	.02180
	GRADIENT	-.00001	-.00002	.00000	.00000	-.00001	.00584	-.00032	.00125

AMES 11ft-1-87 OA145C 01 (A2H058) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BOFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 0/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	.271	-.00180	.00760	-.00020	.00060	-.00210	.19870	-.00020	.01330
3.001	2.455	-.00590	-.00320	-.00050	.00000	-.00540	.19370	-.00530	.02270
3.001	4.995	-.01100	-.01460	-.00080	-.00050	-.00940	.18830	-.00570	.02780
3.001	7.531	-.01650	-.02560	-.00110	-.00070	-.01240	.17710	.00210	.02910
3.001	10.064	-.02240	-.03600	-.00150	-.00080	-.01750	.16690	-.00760	.01590
3.001	12.144	-.02720	-.04630	-.00190	-.00100	-.02300	.15990	-.00840	.03060
3.001	14.166	-.03190	-.05580	-.00210	-.00100	-.02940	.15470	-.00520	.01830
3.001	15.148	-.03430	-.06030	-.00220	-.00110	-.03310	.15280	-.00520	.01830
3.001	16.212	-.03710	-.06550	-.00240	-.00110	-.03750	.14530	-.00840	.03060
3.001	18.194	-.04230	-.07610	-.00270	-.00110	-.04680	.13070	-.00520	.01830
3.001	20.268	-.04790	-.08740	-.00300	-.00120	-.05800	.11590	-.00240	.01560
3.001	22.758	-.05520	-.10200	-.00340	-.00130	-.07090	.09540	-.00470	.00880
3.001	25.441	-.06350	-.12090	-.00400	-.00150	-.08440	.07220	-.00570	.02780
	GRADIENT	-.00195	-.00469	-.00013	-.00023	-.00155	-.00220	-.00114	.00304

AMES 118-1-87 OA145C 01 (A2H057) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 0/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	.282	-.00180	.00750	-.00020	.00060	-.09780	.19920	-.00080	.02720
3.001	2.472	-.00590	-.00320	-.00050	.00010	-.11100	.19380	-.00360	.02990
3.001	4.987	-.01090	-.01450	-.00080	-.00050	-.13010	.18850	-.00080	.02720
3.001	7.528	-.01650	-.02550	-.00110	-.00060	-.15500	.17730	-.00240	.00660
3.001	10.053	-.02240	-.03600	-.00150	-.00070	-.18270	.16710	-.00120	.03230
3.001	12.120	-.02730	-.04640	-.00180	-.00090	-.20800	.16030	-.00020	.01330
3.001	14.144	-.03200	-.05570	-.00210	-.00100	-.23470	.15490	-.00260	.01090
3.001	15.174	-.03440	-.06040	-.00220	-.00100	-.25020	.15320	-.00260	.01090
3.001	16.155	-.03690	-.06500	-.00240	-.00100	-.26460	.14650	-.00030	.01770
3.001	18.176	-.04240	-.07610	-.00270	-.00110	-.29670	.13100	-.00470	.00880
3.001	20.223	-.04790	-.08710	-.00300	-.00120	-.33110	.11650	-.00410	.03940
3.001	22.751	-.05530	-.10220	-.00340	-.00130	-.37310	.09590	-.00260	.01090
3.001	25.430	-.06350	-.12080	-.00400	-.00150	-.41670	.07250	-.00260	.01090
	GRADIENT	-.00194	-.00467	-.00013	-.00023	-.00688	-.00227	.00003	-.00003

AMES 118-1-87 OA145C 01 (A2H058) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	22.500
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 58/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	.273	-.00180	.00750	-.00020	.00060	-.11970	.19860	-.00620	.03730
3.001	2.003	-.00490	-.00120	-.00040	.00020	-.13050	.19500	-.00080	.02720
3.001	4.974	-.01100	-.01450	-.00080	-.00050	-.15370	.18830	-.00580	.03220
3.001	7.558	-.01670	-.02560	-.00110	-.00060	-.18470	.17680	-.00310	.02040
3.001	10.110	-.02250	-.03610	-.00150	-.00080	-.21680	.16670	-.00030	.01770
3.001	12.166	-.02730	-.04650	-.00180	-.00090	-.24810	.16010	-.00340	.02560
3.001	14.180	-.03200	-.05580	-.00210	-.00100	-.28050	.15480	.00160	.02960
3.001	15.157	-.03440	-.06020	-.00220	-.00100	-.29810	.15290	-.00260	.01090
3.001	16.165	-.03700	-.06520	-.00240	-.00110	-.31550	.14630	.00190	.02440
3.001	18.220	-.04250	-.07640	-.00270	-.00110	-.35400	.13070	-.00030	.01770
3.001	20.274	-.04790	-.08730	-.00300	-.00120	-.39360	.11570	-.00630	.03270
3.001	22.750	-.05520	-.10200	-.00340	-.00130	-.43780	.09530	.00430	.02680
3.001	25.435	-.06360	-.12100	-.00400	-.00150	-.48500	.07220	-.00030	.01770
	GRADIENT	-.00197	-.00466	-.00013	-.00023	-.00730	-.00220	-.00011	-.00078

AMES 118-1-87 OA145C 01 (A2H059) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO				
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO				
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO				
SCALE =	.0500						

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 56/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	-11.761	-.02260	-.03620	-.00160	-.00090	-.01810	.16650	-.00290	.03060
3.001	-8.000	-.02260	-.03640	-.00160	-.00080	-.02900	.16640	-.00290	.03060
3.001	-5.979	-.02250	-.03640	-.00160	-.00080	-.03610	.16640	-.00220	.01680
3.001	-3.921	-.02240	-.03640	-.00160	-.00080	-.04350	.16640	-.00450	.01900
3.001	-2.011	-.02240	-.03630	-.00150	-.00080	-.05210	.16640	-.00740	.01160
3.001	.029	-.02230	-.03630	-.00150	-.00080	-.06230	.16630	-.01540	.01360
3.001	1.940	-.02260	-.03630	-.00150	-.00080	-.07380	.16630	-.02390	-.01940
3.001	4.007	-.02250	-.03640	-.00150	-.00080	-.08680	.16630	-.00520	.02380
3.001	6.010	-.02250	-.03650	-.00150	-.00080	-.10080	.16620	-.01100	.03800
3.001	8.010	-.02260	-.03640	-.00150	-.00080	-.11610	.16630	-.01390	.03610
3.001	12.070	-.02250	-.03650	-.00150	-.00080	-.15010	.16640	-.00680	.00680
3.001	16.339	-.02250	-.03640	-.00150	-.00070	-.18380	.16630	-.01340	.02660
3.001	22.594	-.02250	-.03640	-.00150	-.00080	-.21780	.16620	-.00570	.02780
	GRADIENT	-.00002	-.00000	.00001	-.00000	-.00547	-.00002	-.00088	-.00102

AMES 118-1-87 OA145C 01 (A2H060) (25 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 0/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-11.761	-.03440	-.06010	-.00220	-.00110	-.03290	.15340	-.00620	.01930
3.000	-8.000	-.03440	-.06050	-.00220	-.00110	-.04760	.15350	-.00220	.03330
3.000	-5.938	-.03440	-.06050	-.00220	-.00110	-.05720	.15350	-.00720	.03830
3.000	-3.903	-.03440	-.06040	-.00220	-.00100	-.06790	.15340	-.00120	.01430
3.000	-2.022	-.03440	-.06050	-.00220	-.00100	-.07950	.15370	-.00070	.00480
3.000	.019	-.03440	-.06040	-.00220	-.00100	-.09270	.15360	-.00720	.03830
3.000	1.969	-.03440	-.06030	-.00220	-.00100	-.10780	.15340	-.00380	.02180
3.000	3.986	-.03440	-.06050	-.00220	-.00100	-.12460	.15360	-.00070	.00480
3.000	6.020	-.03440	-.06050	-.00220	-.00100	-.14250	.15350	-.00220	.03330
3.000	7.990	-.03440	-.06050	-.00220	-.00100	-.16190	.15360	-.00340	.00760
3.000	12.100	-.03450	-.06050	-.00220	-.00100	-.20550	.15360	-.00220	.03330
3.000	16.339	-.03450	-.06050	-.00220	-.00100	-.25010	.15370	-.00670	.02880
3.000	22.604	-.03450	-.06050	-.00220	-.00100	-.29890	.15360	-.00170	.02380
	GRADIENT	-.00000	.00000	-.00000	-.00000	-.00717	.00000	-.00011	-.00009

AMES 11B-1-87 OA145C 01 (A2H061) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 57/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.001	-11.761	-.04790	-.08750	-.00300	-.00120	-.05830	.11560	-.01530	.02920
3.001	-8.020	-.04800	-.08760	-.00300	-.00120	-.07770	.11570	-.00950	.00950
3.001	-5.969	-.04800	-.08760	-.00300	-.00120	-.09050	.11560	-.01810	.03190
3.001	-3.921	-.04800	-.08750	-.00310	-.00120	-.10410	.11560	-.00950	.00950
3.001	-2.011	-.04800	-.08760	-.00300	-.00120	-.11950	.11560	-.00790	.02110
3.001	.019	-.04810	-.08750	-.00310	-.00120	-.13630	.11560	-.01390	.03610
3.001	1.960	-.04800	-.08750	-.00310	-.00120	-.15550	.11560	-.01830	.02730
3.001	4.029	-.04800	-.08750	-.00300	-.00120	-.17670	.11560	-.01870	.03680
3.001	6.000	-.04810	-.08730	-.00300	-.00120	-.19920	.11560	-.00390	.03510
3.001	8.020	-.04800	-.08750	-.00310	-.00120	-.22340	.11560	-.00390	.03510
3.001	12.100	-.04790	-.08740	-.00300	-.00120	-.27740	.11560	-.00940	.04060
3.001	16.328	-.04800	-.08750	-.00300	-.00120	-.33230	.11580	-.00220	.01130
3.001	22.585	-.04790	-.08750	-.00310	-.00120	-.39390	.11570	-.01280	.02180
	GRADIENT	-.00000	.00001	.00001	-.00000	-.00912	.00000	-.00145	.00306

AMES 118-1-87 OA145C 01 (A2H064) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO			BETA =	.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO			AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO			SPDBRK =	25.000	RUDDER =	.000
SCALE =	.0500							RN/L =	2.500		

PARAMETRIC DATA

RUN NO. 100/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	.186	-.00140	-.00730	-.00020	.00070	-.02570	.08560	.00090	.02190
3.000	2.533	-.00590	-.00390	-.00050	.00010	-.03310	.08370	.00040	.03140
3.000	4.984	-.01100	-.01490	-.00080	-.00040	-.04050	.08040	-.00270	.04830
3.000	7.567	-.01670	-.02610	-.00110	-.00060	-.05030	.07430	.00010	.03660
3.000	10.029	-.02230	-.03620	-.00150	-.00070	-.06150	.07130	-.00180	.03920
3.000	12.118	-.02730	-.04690	-.00180	-.00090	-.07290	.06800	.00060	.02710
3.000	14.172	-.03210	-.05640	-.00210	-.00090	-.08580	.06550	.00140	.02690
3.000	15.190	-.03460	-.06110	-.00220	-.00100	-.09250	.06530	-.00960	.04690
3.000	16.163	-.03710	-.06590	-.00240	-.00100	-.10010	.06090	.00420	.02420
3.000	18.186	-.04250	-.07670	-.00270	-.00110	-.11620	.05250	.00040	.04590
3.000	20.237	-.04800	-.08800	-.00300	-.00120	-.13450	.04510	.00470	.01470
3.000	22.737	-.05520	-.10290	-.00340	-.00130	-.15820	.03740	.00180	.02180
3.000	25.427	-.06360	-.12160	-.00400	-.00150	-.18420	.02720	.00080	.04080
	GRADIENT	-.00200	-.00463	-.00013	-.00023	-.00308	-.00109	-.00075	.00551

AMES 118-1-87 OA145C 01 (A2H066) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO			ALPHA =	15.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO			AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO			SPDBRK =	25.000	RUDDER =	.000
SCALE =	.0500							RN/L =	2.500		

PARAMETRIC DATA

RUN NO. 104/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-6.323	-.03590	-.05880	-.00210	-.00030	-.09590	.08180	.00110	.02660
3.000	-4.243	-.03540	-.06030	-.00220	-.00090	-.09300	.07690	.00090	.03090
3.000	-2.123	-.03530	-.06140	-.00230	-.00090	-.09330	.06480	.00370	.01920
3.000	-1.065	-.03540	-.06150	-.00230	-.00100	-.09310	.05760	.00140	.02140
3.000	-.009	-.03450	-.06100	-.00230	-.00100	-.09250	.06560	.00380	.02380
3.000	1.099	-.03410	-.06050	-.00230	-.00100	-.09330	.06020	.00610	.02160
3.000	2.144	-.03390	-.06030	-.00230	-.00100	-.09390	.05530	.00320	.02870
3.000	3.199	-.03370	-.06020	-.00230	-.00110	-.09360	.05360	.00560	.03110
3.000	4.252	-.03330	-.05930	-.00230	-.00100	-.09400	.04480	.00320	.02870
3.000	6.371	-.03370	-.05820	-.00230	-.00110	-.09460	.02440	.00110	.02660
	GRADIENT	.00028	.00016	-.00001	-.00002	-.00012	-.00308	.00036	.00050

AMES 118-1-87 OA145C 01 (A2H068) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 101/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	.309	-.00290	-.00620	-.00040	.00060	-.02820	.07270	.00320	.02870
3.000	2.557	-.00710	-.00440	-.00070	.00000	-.03340	.07400	.00370	.01920
3.000	5.014	-.01190	-.01470	-.00100	-.00040	-.04080	.06730	.00590	.02590
3.000	7.878	-.01780	-.02650	-.00130	-.00080	-.05200	.06150	.00330	.03330
3.000	10.118	-.02250	-.03620	-.00160	-.00090	-.06290	.05850	.00040	.04040
3.000	12.208	-.02700	-.04610	-.00190	-.00090	-.07410	.05630	.00180	.02180
3.000	14.202	-.03140	-.05540	-.00210	-.00100	-.08740	.05500	-.00570	.02980
3.000	15.251	-.03390	-.06040	-.00230	-.00100	-.09440	.05520	.00320	.02870
3.000	16.229	-.03630	-.06540	-.00240	-.00110	-.10130	.05600	.00610	.02160
3.000	18.206	-.04150	-.07530	-.00270	-.00120	-.11690	.05320	.00400	.01950
3.000	20.342	-.04750	-.08710	-.00310	-.00110	-.13460	.05050	.00640	.01640
3.000	22.857	-.05490	-.10260	-.00350	-.00130	-.15740	.04600	.00870	.02320
3.000	25.470	-.06250	-.11970	-.00390	-.00140	-.18430	.03330	.00060	.03610
	GRADIENT	-.00187	-.00472	-.00013	-.00027	-.00231	.00058	.00022	-.00423

AMES 118-1-87 OA145C 01 (A2H069) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 107/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-9.494	-.02250	-.03660	-.00160	-.00080	-.06200	.03340	.00380	.02380
3.000	-4.926	-.02250	-.03680	-.00160	-.00080	-.06220	.04880	.00330	.03330
3.000	-2.427	-.02250	-.03680	-.00160	-.00080	-.06200	.05950	.00280	.04280
3.000	.018	-.02250	-.03680	-.00160	-.00080	-.06200	.07100	.00430	.01430
3.000	2.534	-.02240	-.03680	-.00160	-.00080	-.06210	.08360	.00130	.03130
3.000	4.998	-.02240	-.03680	-.00160	-.00080	-.06200	.09750	-.00100	.02450
3.000	10.021	-.02240	-.03680	-.00160	-.00080	-.06200	.13050	.00140	.02690
	GRADIENT	.00001	.00000	-.00000	-.00000	.00001	.00490	-.00041	-.00116

AMES 118-1-87 OA145C 01 (A2H070) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RN/L =	2.500		

RUN NO. 108/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-22.735	-.03450	-.06110	-.00230	-.00100	-.09310	.01020	.00510	.04060
3.000	-17.947	-.03450	-.06110	-.00230	-.00100	-.09280	.01690	.00540	.03540
3.000	-14.936	-.03450	-.06100	-.00230	-.00100	-.09280	.02120	.00590	.02590
3.000	-9.494	-.03450	-.06120	-.00230	-.00100	-.09280	.03180	.00590	.02590
3.000	-4.936	-.03440	-.06100	-.00230	-.00100	-.09240	.04530	.00270	.03820
3.000	.009	-.03440	-.06110	-.00230	-.00100	-.09230	.06510	.00380	.02380
3.000	2.504	-.03440	-.06110	-.00230	-.00100	-.09240	.07680	.00300	.03300
3.000	5.008	-.03440	-.06100	-.00230	-.00100	-.09240	.08970	.00540	.03540
3.000	10.010	-.03440	-.06100	-.00230	-.00100	-.09260	.12010	.00590	.02590
3.000	15.017	-.03440	-.06100	-.00230	-.00100	-.09280	.15460	.00370	.01920
3.000	22.811	-.03440	-.06100	-.00230	-.00100	-.09280	.21010	.00820	.02370
	GRADIENT	.00000	-.00001	.00000	.00000	.00000	.00420	.00007	-.00101

AMES 118-1-87 OA145C 01 (A2H071) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RN/L =	2.500		

RUN NO. 109/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-9.485	-.04790	-.08800	-.00310	-.00120	-.13470	.02000	.00380	.02380
3.000	-4.926	-.04800	-.08810	-.00310	-.00120	-.13470	.02990	.00380	.02380
3.000	-2.427	-.04790	-.08790	-.00310	-.00120	-.13440	.03700	.00320	.02870
3.000	.027	-.04800	-.08810	-.00310	-.00120	-.13470	.04480	.00330	.03330
3.000	2.504	-.04790	-.08800	-.00310	-.00120	-.13460	.05410	.00320	.02870
3.000	5.018	-.04790	-.08810	-.00310	-.00120	-.13460	.06450	.00010	.04560
3.000	10.021	-.04800	-.08810	-.00310	-.00120	-.13480	.08900	.00330	.03330
	GRADIENT	.00001	.00000	.00000	.00000	.00000	.00325	-.00007	.00078

AMES 118-1-87 OA145C 01 (A2H073) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 105/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-6.314	-.03560	-.05840	-.00210	-.00090	-.09510	.05690	.00330	.03330
3.000	-4.208	-.03510	-.05990	-.00220	-.00090	-.09240	.05300	.00330	.03330
3.000	-2.092	-.03510	-.06100	-.00230	-.00090	-.09260	.04260	.00160	.01710
3.000	-1.054	-.03520	-.06120	-.00230	-.00100	-.09240	.03840	.00270	.03820
3.000	.014	-.03460	-.06120	-.00230	-.00100	-.09270	.04550	.00560	.03110
3.000	1.095	-.03410	-.06070	-.00230	-.00100	-.09350	.04240	.00060	.03610
3.000	2.148	-.03390	-.06040	-.00230	-.00100	-.09390	.03920	.00380	.02380
3.000	3.199	-.03370	-.06020	-.00230	-.00110	-.09360	.03810	.00510	.04060
3.000	4.263	-.03330	-.05930	-.00230	-.00100	-.09390	.03240	.00380	.02380
3.000	6.374	-.03270	-.05820	-.00230	-.00110	-.09470	.01760	.00090	.03090
	GRADIENT	.00024	.00009	-.00001	-.00002	-.00021	-.00180	.00018	.00006

AMES 118-1-87 OA145C 01 (A2H074) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 102/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	.182	-.00170	.00750	-.00020	.00060	-.02590	.05930	.00300	.03300
3.000	2.532	-.00610	-.00420	-.00050	.00000	-.03320	.05790	.00560	.02560
3.000	5.033	-.01110	-.01550	-.00080	-.00050	-.04080	.05500	.00750	.03750
3.000	8.940	-.01990	-.03250	-.00140	-.00070	-.05650	.05000	.00850	.01850
3.000	10.131	-.02260	-.03690	-.00160	-.00080	-.06210	.04900	.00300	.03300
3.000	12.128	-.02720	-.04700	-.00190	-.00090	-.07290	.04720	-.00100	.02450
3.000	14.150	-.03210	-.05630	-.00210	-.00090	-.08540	.04540	.00330	.03330
3.000	15.209	-.03450	-.06130	-.00230	-.00100	-.09270	.04560	.00090	.03090
3.000	16.169	-.03710	-.06600	-.00240	-.00100	-.10020	.04220	.00540	.03540
3.000	18.190	-.04240	-.07690	-.00270	-.00110	-.11640	.03580	.00380	.02380
3.000	20.258	-.04800	-.08810	-.00300	-.00120	-.13470	.03000	.00080	.04080
3.000	22.740	-.05540	-.10290	-.00350	-.00130	-.15850	.02500	-.00390	.03160
3.000	25.440	-.06360	-.12190	-.00400	-.00150	-.18460	.01750	-.00150	.03400
	GRADIENT	-.00187	-.00498	-.00013	-.00026	-.00311	-.00060	.00111	-.00315

AMES 118-1-87 OA145C 01 (A2H076) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 139/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	.300	-.00150	.00520	-.00020	.00060	-.02640	.13980	-.00370	.04530
3.000	2.561	-.00570	-.00550	-.00050	.00000	-.03340	.13730	-.00390	.04060
3.000	5.032	-.01070	-.01690	-.00080	-.00040	-.04090	.13220	-.00320	.03580
3.000	7.582	-.01660	-.02620	-.00110	-.00060	-.05060	.12390	-.00980	.02920
3.000	10.113	-.02250	-.03650	-.00150	-.00080	-.06230	.11710	-.00570	.03330
3.000	12.149	-.02710	-.04680	-.00180	-.00090	-.07320	.11200	-.00340	.03110
3.000	14.126	-.03170	-.05600	-.00210	-.00090	-.08540	.10800	-.00120	.03780
3.000	15.176	-.03420	-.06090	-.00220	-.00100	-.09270	.10730	-.00120	.03780
3.000	16.155	-.03680	-.06570	-.00230	-.00100	-.10050	.10130	-.00020	.01880
3.000	18.180	-.04220	-.07670	-.00260	-.00110	-.11700	.08940	-.00020	.01880
3.000	20.237	-.04760	-.08770	-.00290	-.00120	-.13540	.07850	-.00170	.04730
3.000	22.741	-.05500	-.10250	-.00340	-.00130	-.15890	.06510	-.00500	.01950
3.000	25.409	-.06320	-.12110	-.00390	-.00140	-.18510	.04840	.00110	.03560
	GRADIENT	-.00186	-.00473	-.00013	-.00027	-.00310	-.00111	-.00009	-.00208

AMES 118-1-87 OA145C 01 (A2H080) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BOFLAP =	.000	SPDBRK =	40.000
RN/L =	2.500		

RUN NO. 143/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-22.746	-.03460	-.06080	-.00220	-.00100	-.09360	.02300	.00330	.02780
3.000	-17.927	-.03460	-.06120	-.00220	-.00100	-.09330	.03220	.00230	.04680
3.000	-14.925	-.03460	-.06120	-.00220	-.00100	-.09330	.03980	.00110	.03010
3.000	-9.476	-.03460	-.06110	-.00220	-.00100	-.09330	.05890	.00280	.03730
3.000	-4.936	-.03460	-.06100	-.00220	-.00100	-.09320	.07970	.00180	.05630
3.000	-2.427	-.03450	-.06110	-.00220	-.00100	-.09330	.09310	.00230	.04680
3.000	.000	-.03460	-.06100	-.00220	-.00100	-.09340	.10700	.00060	.03960
3.000	2.504	-.03460	-.06110	-.00220	-.00100	-.09340	.12300	.00490	.03940
3.000	4.998	-.03460	-.06110	-.00220	-.00100	-.09340	.13950	.00330	.02780
3.000	9.999	-.03460	-.06100	-.00220	-.00100	-.09350	.17470	.00490	.03940
3.000	15.038	-.03460	-.06120	-.00220	-.00100	-.09360	.21220	.00510	.04410
3.000	22.834	-.03450	-.06120	-.00220	-.00100	-.09360	.27370	.00540	.02990
	GRADIENT	-.00000	-.00001	.00000	-.00000	-.00002	.00603	.00023	-.00260

AMES 118-1-87 OA145C 01 (A2H085) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN.	XO	
LREF =	474.8100	INCHES	YMRP =	.0000	IN.	YO	
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN.	ZO	
SCALE =	.0500						

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 129/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	.305	-.00150	.00460	-.00020	.00060	-.02680	.26460	-.00250	.05300
3.000	2.550	-.00620	-.00400	-.00050	.00000	-.03370	.25800	.00110	.02660
3.000	5.011	-.01120	-.01510	-.00080	-.00050	-.04070	.24990	.00220	.04770
3.000	7.588	-.01690	-.02610	-.00110	-.00060	-.05070	.23700	.00220	.04770
3.000	10.077	-.02250	-.03640	-.00150	-.00080	-.06200	.22400	.00490	.04490
3.000	12.145	-.02730	-.04690	-.00180	-.00090	-.07330	.21520	.00320	.02870
3.000	14.169	-.03200	-.05650	-.00210	-.00100	-.08600	.20750	-.00290	.02710
3.000	15.180	-.03440	-.06090	-.00220	-.00100	-.09340	.20430	-.00290	.02710
3.000	16.169	-.03690	-.06580	-.00230	-.00100	-.10110	.19560	-.00800	.01650
3.000	18.193	-.04260	-.07690	-.00270	-.00110	-.11800	.17720	.00350	.03800
3.000	20.245	-.04810	-.08800	-.00300	-.00120	-.13670	.15920	.00560	.04010
3.000	22.750	-.05530	-.10270	-.00340	-.00130	-.16000	.13200	.00610	.03060
3.000	25.455	-.06370	-.12180	-.00400	-.00150	-.18640	.10240	.00350	.03800
	GRADIENT	-.00209	-.00383	-.00013	-.00027	-.00307	-.00294	.00160	-.01176

AMES 118-1-07 OA145C 01 (A2H089) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN.	XO	
LREF =	474.8100	INCHES	YMRP =	.0000	IN.	YO	
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN.	ZO	
SCALE =	.0500						

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	70.000
RN/L =	2.500		

RUN NO. 134/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-17.957	-.03480	-.06140	-.00220	-.00100	-.09350	.08580	.00110	.03560
3.000	-14.990	-.03480	-.06160	-.00220	-.00100	-.09360	.10140	.00480	.00480
3.000	-9.485	-.03480	-.06170	-.00220	-.00100	-.09370	.13550	.00210	.01660
3.000	-4.946	-.03480	-.06140	-.00220	-.00100	-.09370	.16690	.00380	.03280
3.000	-2.427	-.03490	-.06150	-.00220	-.00100	-.09380	.18530	.00110	.03560
3.000	.018	-.03480	-.06150	-.00220	-.00100	-.09370	.20320	.00320	.03770
3.000	2.504	-.03480	-.06160	-.00220	-.00100	-.09370	.22400	.00270	.04720
3.000	4.998	-.03470	-.06150	-.00220	-.00100	-.09380	.24570	.00180	.03080
3.000	10.010	-.03470	-.06160	-.00220	-.00100	-.09370	.28440	-.00100	.03350
3.000	15.027	-.03470	-.06150	-.00220	-.00100	-.09370	.31470	.00300	.04750
	GRADIENT	.00001	-.00001	.00000	.00000	-.00000	.00791	-.00010	.00030

AMES 118-1-87 OA145C 01 (A2H094) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	BETA =	.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	87.200	RUDDER =	.000
SCALE =	.0500					RN/L =	2.500		

PARAMETRIC DATA

RUN NO. 114/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	.175	-.00130	.00510	-.00020	.00060	-.02640	.33560	.00090	.02190
3.000	2.544	-.00570	-.00610	-.00050	.00000	-.03370	.32810	-.00220	.03880
3.000	5.049	-.01100	-.01500	-.00080	-.00050	-.04100	.32000	.00030	.04130
3.000	7.194	-.01560	-.02450	-.00110	-.00060	-.04900	.30650	.00350	.02900
3.000	10.118	-.02230	-.03650	-.00160	-.00080	-.06260	.28850	.00230	.01230
3.000	12.188	-.02710	-.04720	-.00190	-.00090	-.07330	.27740	.00330	.03330
3.000	14.164	-.03180	-.05600	-.00220	-.00100	-.08560	.26570	.00430	.01430
3.000	15.169	-.03410	-.06070	-.00230	-.00100	-.09320	.26450	.00480	.00480
3.000	16.187	-.03680	-.06580	-.00240	-.00100	-.10100	.25000	.00130	.03130
3.000	18.198	-.04220	-.07680	-.00270	-.00110	-.11760	.22380	.00380	.02380
3.000	20.260	-.04760	-.08780	-.00300	-.00120	-.13620	.19240	.00140	.02690
3.000	21.730	-.05190	-.09630	-.00330	-.00120	-.14970	.17250	.00420	.02420
3.000	22.743	-.05500	-.10270	-.00350	-.00130	-.15940	.16350	.00330	.03330
	GRADIENT	-.00186	-.00473	-.00013	-.00025	-.00308	-.00317	-.00131	.00713

AMES 118-1-87 OA145C 01 (A2H096) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	15.000	ELEVON =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPDBRK =	87.200	RUDDER =	.000
SCALE =	.0500					RN/L =	2.500		

PARAMETRIC DATA

RUN NO. 118/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-6.387	-.03570	-.05830	-.00210	-.00090	-.09520	.28870	.00510	.04060
3.000	-4.280	-.03520	-.06010	-.00220	-.00100	-.09330	.28440	.00540	.03540
3.000	-2.179	-.03520	-.06130	-.00230	-.00100	-.09340	.26730	.00510	.04060
3.000	-1.128	-.03520	-.06140	-.00230	-.00100	-.09310	.25920	.00720	.04270
3.000	-.058	-.03460	-.06120	-.00230	-.00100	-.09380	.26210	.00520	.03080
3.000	1.001	-.03430	-.06080	-.00230	-.00100	-.09440	.24940	.01010	.03010
3.000	2.075	-.03400	-.06070	-.00230	-.00110	-.09420	.22980	.00800	.02800
3.000	3.136	-.03370	-.06030	-.00230	-.00120	-.09360	.21370	.00780	.02330
3.000	4.197	-.03340	-.05940	-.00230	-.00110	-.09410	.18020	.00680	.04230
3.000	6.304	-.03270	-.05790	-.00230	-.00120	-.09390	.11090	.00970	.03530
	GRADIENT	.00024	.00011	-.00001	-.00002	-.00011	-.01116	.00032	-.00081

AMES 118-1-87 OA145C 01 (A2H098) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	2.500		

RUN NO. 115/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	.323	-.00270	.00660	-.00040	.00050	-.02890	.30160	-.00560	.04640
3.000	2.550	-.00680	-.00420	-.00070	.00000	-.03390	.29680	.00370	.01920
3.000	5.038	-.01170	-.01450	-.00100	-.00040	-.04120	.28670	.00430	.01430
3.000	7.769	-.01730	-.02590	-.00130	-.00080	-.05180	.26790	.00130	.03130
3.000	10.189	-.02240	-.03620	-.00160	-.00090	-.06340	.25720	.00160	.01710
3.000	12.229	-.02680	-.04570	-.00190	-.00100	-.07460	.24220	.00110	.02660
3.000	14.234	-.03120	-.05520	-.00210	-.00100	-.08730	.23290	-.00150	.03400
3.000	15.262	-.03370	-.06010	-.00230	-.00110	-.09410	.22800	- 00390	.03160
3.000	16.274	-.03610	-.06530	-.00240	-.00110	-.10180	.22860	-.00150	.03400
3.000	18.221	-.04120	-.07480	-.00270	-.00120	-.11740	.22610	.00090	.03090
3.000	20.373	-.04720	-.08680	-.00310	-.00120	-.13580	.21860	-.00130	.03870
3.000	22.882	-.05450	-.10220	-.00350	-.00120	-.15880	.20020	.00190	.02640
3.000	25.485	-.06240	-.11930	-.00400	-.00150	-.18510	.15800	-.00050	.01500
	GRADIENT	-.00184	-.00425	-.00013	-.00022	-.00224	-.00115	.00417	-.01221

AMES 118-1-87 OA145C 01 (A2H099) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	2.500		

RUN NO. 121/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-9.494	-.02250	-.03610	-.00160	-.00080	-.06210	.20390	.00590	.02590
3.000	-4.926	-.02240	-.03620	-.00150	-.00080	-.06210	.24360	.00540	.03540
3.000	-2.417	-.02250	-.03650	-.00150	-.00080	-.06200	.26680	.00420	.04980
3.000	.009	-.02250	-.03650	-.00150	-.00080	-.06200	.28840	.00540	.03540
3.000	2.514	-.02250	-.03640	-.00150	-.00080	-.06210	.31250	.00570	.02130
3.000	5.008	-.02250	-.03630	-.00160	-.00080	-.06220	.33410	.00250	.04250
3.000	10.010	-.02250	-.03640	-.00150	-.00080	-.06230	.37340	.00590	.02590
	GRADIENT	-.00001	-.00002	.00000	.00000	.00000	.00923	.00008	-.00228

AMES 118-1-87 OA145C 01 (A2H0A0) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	2.500		

RUN NO. 122/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-17.937	-.03430	-.06060	-.00230	-.00100	-.09260	.12850	.00250	.04250
3.000	-14.968	-.03420	-.06060	-.00230	-.00100	-.09270	.14710	.00250	.04250
3.000	-9.494	-.03420	-.06060	-.00220	-.00100	-.09280	.18660	.00470	.04030
3.000	-4.926	-.03430	-.06070	-.00220	-.00100	-.09300	.22140	.00540	.03540
3.000	-2.447	-.03420	-.06060	-.00220	-.00100	-.09290	.24360	.00640	.01640
3.000	.018	-.03420	-.06060	-.00220	-.00100	-.09300	.26390	.00570	.02130
3.000	2.534	-.03420	-.06070	-.00220	-.00100	-.09290	.28320	.00520	.03080
3.000	5.028	-.03430	-.06060	-.00220	-.00100	-.09300	.30050	.00270	.03820
3.000	10.021	-.03420	-.06070	-.00230	-.00100	-.09280	.32810	.00540	.03540
3.000	15.038	-.03420	-.06060	-.00230	-.00100	-.09280	.35690	.00280	.04280
	GRADIENT	.00001	-.00000	.00000	.00000	.00001	.00828	-.00005	-.00035

AMES 118-1-87 OA145C 01 (A2H0A1) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	2.500		

RUN NO. 123/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-9.503	-.04770	-.08750	-.00300	-.00120	-.13590	.14210	-.00030	.01970
3.000	-4.936	-.04770	-.08760	-.00300	-.00120	-.13590	.17220	.00850	.01850
3.000	-2.437	-.04770	-.08750	-.00300	-.00120	-.13590	.18390	.00300	.03300
3.000	.009	-.04770	-.08750	-.00300	-.00120	-.13590	.19320	.00590	.02590
3.000	2.524	-.04770	-.08750	-.00300	-.00120	-.13600	.20180	.00490	.04490
3.000	5.008	-.04770	-.08750	-.00300	-.00120	-.13590	.20990	.00750	.03750
3.000	10.031	-.04770	-.08750	-.00300	-.00120	-.13590	.22310	.00800	.02800
	GRADIENT	.00000	.00001	.00000	.00000	-.00001	.00395	-.00032	.00291

AMES 118-1-87 OA145C 01 (A2H0A3) (06 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	ALPHA	=	15.000	ELEVON = .000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	AILRON	=	.000	BDFLAP = .000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDBRK	=	87.200	RUDDER = -5.000
SCALE	=	.0500						RN/L	=	2.500	

PARAMETRIC DATA

RUN NO. 119/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-6.368	-.03560	-.05840	-.00210	-.00090	-.09520	.25280	.00680	.04230
3.000	-4.279	-.03510	-.06000	-.00220	-.00090	-.09310	.24800	.00780	.02330
3.000	-2.187	-.03510	-.06100	-.00220	-.00100	-.09310	.23300	.00680	.04230
3.000	-1.134	-.03520	-.06110	-.00230	-.00100	-.09290	.22090	.00610	.03060
3.000	-.055	-.03450	-.06100	-.00230	-.00100	-.09360	.22050	.00540	.03540
3.000	1.006	-.03410	-.06070	-.00230	-.00100	-.09400	.20960	.00720	.04270
3.000	2.064	-.03380	-.06050	-.00230	-.00110	-.09400	.19220	.00270	.03820
3.000	3.137	-.03360	-.06030	-.00230	-.00120	-.09320	.17920	.00060	.03610
3.000	4.201	-.03330	-.05930	-.00230	-.00110	-.09380	.15070	.00160	.01710
3.000	6.304	-.03260	-.05800	-.00230	-.00120	-.09370	.09240	.00300	.03850
	GRADIENT	.00025	.00009	-.00001	-.00003	-.00009	-.01067	-.00084	-.00024

AMES 118-1-87 OA145C 01 (A2H0A4) (06 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	BETA	=	.000	ELEVON = .000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	AILRON	=	.000	BDFLAP = .000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDBRK	=	87.200	RUDDER = -5.000
SCALE	=	.0500						RN/L	=	2.500	

PARAMETRIC DATA

RUN NO. 116/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	.170	-.00150	.00810	-.00020	.00060	-.02650	.28720	.00320	.02870
3.000	2.564	-.00590	-.00400	-.00050	.00000	-.03370	.27990	-.00570	.02980
3.000	5.011	-.01080	-.01460	-.00080	-.00050	-.04090	.27210	-.00080	.02920
3.000	7.792	-.01710	-.02700	-.00120	-.00070	-.05160	.25710	.01740	.05740
3.000	10.088	-.02240	-.03630	-.00160	-.00080	-.06220	.24410	.00590	.02590
3.000	12.131	-.02710	-.04670	-.00190	-.00100	-.07290	.23430	.00800	.02800
3.000	14.150	-.03190	-.05590	-.00220	-.00100	-.08520	.22490	.00750	.03750
3.000	15.176	-.03430	-.06070	-.00230	-.00100	-.09310	.22200	.01130	.01580
3.000	16.181	-.03690	-.06550	-.00240	-.00110	-.10080	.21170	.00570	.03030
3.000	18.199	-.04220	-.07660	-.00270	-.00110	-.11760	.19350	.00590	.02590
3.000	20.250	-.04770	-.08760	-.00300	-.00120	-.13600	.17250	.00130	.03130
3.000	22.757	-.05510	-.10250	-.00350	-.00130	-.15960	.14190	-.00030	.04530
3.000	25.431	-.06330	-.12120	-.00400	-.00150	-.18540	.11110	.00020	.03580
	GRADIENT	-.00184	-.00505	-.00013	-.00025	-.00301	-.00305	-.00372	.00046

AMES 118-1-87 OA145C 01 (A2H0B8) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO	ALPHA =	15.000	BETA =	.000
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO	ELV-OB =	.000	AILRON =	.000
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO	BDFLAP =	.000	SPDBRK =	55.000
SCALE =	.0500			RUDDER =	.000	RN/L =	2.500

PARAMETRIC DATA

RUN NO. 163/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-3.951	-.03390	-.04160	-.00220	-.00100	-.09060	.15470	-.00130	-1.96280
3.000	-1.937	-.03400	-.05070	-.00220	-.00100	-.09150	.15470	.00100	-.94930
3.000	.028	-.03430	-.06070	-.00220	-.00100	-.09270	.15470	-.00490	.03610
3.000	2.014	-.03450	-.07150	-.00220	-.00110	-.09370	.15470	-.00680	1.02430
3.000	4.010	-.03460	-.08270	-.00220	-.00110	-.09460	.15470	-.00670	2.01730
	GRADIENT	-.00010	-.00518	.00000	-.00002	-.00051	-.00000	-.00093	.49990

AMES 118-1-87 OA145C 01 (A2H0B9) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO	ALPHA =	15.000	BETA =	.000
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO	ELV-OB =	5.000	AILRON =	.000
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO	BDFLAP =	.000	SPDBRK =	55.000
SCALE =	.0500			RUDDER =	.000	RN/L =	2.500

PARAMETRIC DATA

RUN NO. 164/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	1.016	-.04850	-.06580	-.00250	-.00110	-.09320	.15470	-.00560	3.01630
3.000	3.022	-.04890	-.07720	-.00250	-.00110	-.09420	.15460	-.00720	4.02460
3.000	5.016	-.04930	-.08910	-.00250	-.00110	-.09520	.15470	-.00220	5.01380
3.000	7.007	-.04960	-.10250	-.00250	-.00110	-.09620	.15480	-.00980	6.00450
3.000	9.023	-.04990	-.11670	-.00250	-.00110	-.09720	.15480	-.01000	7.02500
	GRADIENT	-.00020	-.00568	.00000	.00000	-.00050	-.00005	-.00080	.50252

AMES 118-1-87 OA145C 01 (A2H0C0) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-OB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 165/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-1B	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-8.942	-.02160	-.02000	-.00180	-.00080	-.08880	.15470	.00270	-6.94340
3.000	-6.950	-.02170	-.02820	-.00180	-.00090	-.08940	.15480	.00250	-5.94990
3.000	-4.927	-.02180	-.03680	-.00190	-.00090	-.09020	.15470	.00600	-4.93110
3.000	-2.960	-.02200	-.04590	-.00180	-.00090	-.09110	.15480	.00630	-3.95970
3.000	-.931	-.02210	-.05550	-.00180	-.00100	-.09190	.15480	.00840	-2.93290
	GRADIENT	-.00007	-.00468	.00002	-.00003	-.00043	.00002	.00060	.50006

AMES 118-1-87 OA145C 01 (A2H0C1) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-1B =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 166/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-3.934	-.02450	-.06030	-.00190	-.00100	-.09250	.15460	-.00680	-1.95060
3.000	-1.918	-.02930	-.06090	-.00200	-.00100	-.09250	.15470	.00690	-.94010
3.000	.028	-.03420	-.06080	-.00220	-.00100	-.09240	.15470	.00570	.03030
3.000	2.003	-.03950	-.06070	-.00230	-.00110	-.09240	.15460	.01160	1.00850
3.000	4.019	-.04540	-.06080	-.00240	-.00110	-.09250	.15470	-.00490	2.03080
	GRADIENT	-.00262	-.00004	-.00007	-.00002	.00000	.00001	.00043	.49989

AMES 118-1-87 OA145C 01 (A2H0C2) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-IB =	5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 167/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	1.028	-.03750	-.08920	-.00220	-.00110	-.09500	.15460	.00630	3.02640
3.000	3.001	-.04310	-.08940	-.00240	-.00110	-.09520	.15470	-.00370	4.01330
3.000	5.002	-.04920	-.08930	-.00250	-.00110	-.09500	.15480	-.00690	5.00910
3.000	6.999	-.05570	-.08940	-.00270	-.00110	-.09520	.15470	.00060	6.00510
3.000	9.041	-.06290	-.08940	-.00290	-.00120	-.09510	.15460	-.00540	7.03780
	GRADIENT	-.00284	-.00010	-.00010	.00000	-.00010	.00005	-.00507	.49997

AMES 118-1-87 OA145C 01 (A2H0C3) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-IB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 168/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-8.965	-.01320	-.03660	-.00160	-.00090	-.09000	.15470	.00390	-6.95650
3.000	-6.945	-.01750	-.03680	-.00170	-.00090	-.09020	.15470	-.00130	-5.94120
3.000	-4.964	-.02170	-.03690	-.00180	-.00090	-.09000	.15480	.00330	-4.96100
3.000	-2.983	-.02630	-.03680	-.00200	-.00090	-.09020	.15470	-.00450	-3.97050
3.000	-.941	-.03150	-.03690	-.00210	-.00090	-.09010	.15470	.00820	-2.93910
	GRADIENT	-.00244	-.00000	-.00007	-.00000	-.00002	-.00002	.00124	.50256

AMES 118-1-87 OA145C 01 (A2H0C4) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 169/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-3.984	-.03380	-.04170	-.00220	-.00100	-.09070	.15460	-1.98680	.04550
3.000	-1.969	-.03410	-.05100	-.00220	-.00100	-.09160	.15460	-.98110	.02860
3.000	.011	-.03430	-.06090	-.00220	-.00100	-.09260	.15460	.00770	.04220
3.000	1.972	-.03450	-.07130	-.00220	-.00110	-.09380	.15470	.98960	.02290
3.000	3.980	-.03470	-.08290	-.00220	-.00110	-.09480	.15470	1.99300	.03050
	GRADIENT	-.00011	-.00517	.00000	-.00002	-.00052	.00002	.49978	-.00180

AMES 118-1-87 OA145C 01 (A2H0C5) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 170/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-4.012	-.04860	-.06590	-.00250	-.00110	-.09320	.15500	-2.00730	5.01830
3.000	-2.016	-.04890	-.07720	-.00250	-.00110	-.09420	.15480	-1.01190	5.02940
3.000	-.008	-.04920	-.08920	-.00250	-.00110	-.09520	.15480	-.00450	5.01610
3.000	1.989	-.04960	-.10230	-.00250	-.00110	-.09610	.15490	.99300	5.02480
3.000	3.972	-.04980	-.11670	-.00250	-.00110	-.09700	.15490	1.98200	5.01930
	GRADIENT	-.00016	-.00634	-.00000	-.00000	-.00048	-.00001	.49985	-.00013

AMES 118-1-87 OA145C 01 (A2H0C6) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 171/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-3.995	-.02160	-.02000	-.00180	-.00080	-.08920	.15490	-1.99750	-4.93360
3.000	-2.012	-.02170	-.02820	-.00180	-.00090	-.08940	.15480	-1.00570	-4.92730
3.000	-.002	-.02160	-.02010	-.00180	-.00080	-.08890	.15480	-.00040	-6.95480
3.000	2.002	-.02200	-.04590	-.00180	-.00100	-.09110	.15490	1.00420	-4.94820
3.000	4.014	-.02220	-.05570	-.00180	-.00100	-.09180	.15480	2.00980	-4.93940
	GRADIENT	-.00007	-.00445	-.00000	-.00002	-.00034	-.00000	.50041	-.00144

AMES 118-1-87 OA145C 01 (A2H0C7) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 172/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-3.973	-.02460	-.06070	-.00190	-.00100	-.09250	.15480	-1.98110	.03670
3.000	-1.963	-.02930	-.06050	-.00200	-.00100	-.09260	.15480	-.98080	.02510
3.000	.000	-.03430	-.06070	-.00220	-.00110	-.09250	.15480	.00070	.03530
3.000	2.005	-.03960	-.06070	-.00230	-.00110	-.09250	.15490	1.00570	.05820
3.000	3.980	-.04540	-.06060	-.00240	-.00110	-.09250	.15480	1.99320	.04320
	GRADIENT	-.00261	.00000	-.00007	-.00002	.00000	.00001	.49992	.00232

AMES 118-1-87 OA145C 01 (A2H0C8) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 173/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-DB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-3.989	-.03760	-.08920	-.00220	-.00110	-.09520	.15480	-2.00090	5.03350
3.000	-2.004	-.04320	-.08920	-.00240	-.00110	-.09510	.15480	-1.00560	5.03020
3.000	.004	-.04930	-.08920	-.00250	-.00110	-.09500	.15480	-.00180	5.00880
3.000	1.997	-.05560	-.08920	-.00270	-.00110	-.09500	.15480	.99460	5.03050
3.000	4.001	-.06290	-.08930	-.00290	-.00120	-.09520	.15490	1.99660	5.02690
	GRADIENT	-.00315	-.00001	-.00009	-.00001	.00000	.00001	.50023	-.00065

AMES 118-1-87 OA145C 01 (A2H0C9) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 174/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-DB	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-4.013	-.01320	-.03650	-.00160	-.00090	-.09020	.15480	-2.01080	-4.93700
3.000	-2.000	-.01760	-.03670	-.00170	-.00090	-.09010	.15480	-1.00390	-4.94790
3.000	.000	-.02180	-.03670	-.00180	-.00090	-.09010	.15490	-.00410	-4.93030
3.000	1.984	-.02630	-.03670	-.00200	-.00090	-.09010	.15480	.98940	-4.98330
3.000	4.007	-.03160	-.03670	-.00210	-.00100	-.09020	.15490	1.99920	-4.93470
	GRADIENT	-.00227	-.00002	-.00006	-.00001	-.00000	.00001	.50007	-.00152

AMES 118-1-87 OA145C 01 (A2H0D1) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 150/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	.318	-.00190	.00700	-.00020	.00060	-.02640	.20210	-.00860	.03140
3.000	3.072	-.00710	-.00640	-.00050	-.00010	-.03480	.19640	-.00360	.03540
3.000	4.051	-.00910	-.01040	-.00060	-.00030	-.03740	.19490	-.00620	.04280
3.000	6.016	-.01310	-.01970	-.00090	-.00050	-.04390	.18620	-.00570	.03330
3.000	8.026	-.01770	-.02820	-.00110	-.00070	-.05230	.17770	-.00310	.02590
3.000	10.107	-.02250	-.03650	-.00150	-.00080	-.06190	.16910	-.00390	.04060
3.000	12.125	-.02700	-.04670	-.00180	-.00090	-.07280	.16240	-.00290	.02160
3.000	14.156	-.03180	-.05620	-.00210	-.00100	-.08530	.15680	-.00820	.04080
3.000	15.174	-.03430	-.06070	-.00220	-.00100	-.09250	.15500	-.00100	.02800
3.000	16.180	-.03700	-.06580	-.00230	-.00110	-.10050	.14750	-.00050	.01850
3.000	18.194	-.04230	-.07690	-.00260	-.00110	-.11720	.13240	-.00430	.04030
3.000	20.259	-.04770	-.08760	-.00290	-.00120	-.13570	.11720	-.00440	.04460
3.000	22.249	-.05350	-.09940	-.00330	-.00130	-.15450	.10110	-.00550	.02350
3.000	26.341	-.06620	-.12740	-.00410	-.00150	-.19500	.06470	-.00100	.02800
3.000	29.787	-.07710	-.15010	-.00470	-.00180	-.23040	.04910	-.00390	.03510
	GRADIENT	-.00192	-.00471	-.00011	-.00024	-.00297	-.00196	.00090	.00271

AMES 118-1-87 OA145C 01 (A2H0D2) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 1497 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CHEO	CHEI	CHFDO	CHFDI	CHBF	CHSB	AILRON	ELEVON
3.000	-6.328	-.03530	-.06040	-.00200	-.00090	-.09540	.18630	-.00310	.02590
3.000	-4.223	-.03510	-.05970	-.00210	-.00090	-.09260	.18030	-.00410	.04490
3.000	-2.122	-.03510	-.06080	-.00220	-.00090	-.09260	.16430	-.00260	.01640
3.000	-1.043	-.03510	-.06100	-.00220	-.00100	-.09250	.15090	-.00310	.02590
3.000	.012	-.03440	-.06080	-.00220	-.00100	-.09270	.15440	-.00310	.02590
3.000	1.098	-.03400	-.06040	-.00220	-.00100	-.09350	.14480	-.00410	.04490
3.000	2.152	-.03380	-.06030	-.00220	-.00100	-.09390	.13170	-.00200	.04700
3.000	3.198	-.03350	-.06000	-.00220	-.00110	-.09350	.12560	-.00210	.00690
3.000	4.243	-.03320	-.05900	-.00220	-.00100	-.09370	.10520	-.00260	.01640
3.000	6.384	-.03260	-.05770	-.00220	-.00110	-.09410	.06220	-.00360	.03540
	GRADIENT	.00026	.00010	-.00001	-.00002	-.00017	-.00810	.00017	-.00185

AMES 118-1-87 OA145C 01 (B2H001) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	1.000		

RUN NO. 10/ 0 RN/L = .93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.087	.167	1.00000	.94160	136.47000	-.01160	.00360	.13150	-.30340	.60870	20.45700
3.087	1.940	1.00000	.93880	136.24000	-.01160	.00340	.13040	.08870	.77780	20.42300
3.087	3.890	1.00000	.93750	136.24000	-.01100	.00320	.12700	.48770	.68200	20.42300
3.087	5.870	1.00000	.93580	136.24000	-.01160	.00340	.12160	.94270	.67270	20.42300
3.087	7.859	1.00000	.93450	136.24000	-.01180	.00370	.11780	1.34000	.66930	20.42300
3.087	9.876	1.00000	.93250	136.13000	-.01100	.00340	.11340	1.62710	.66760	20.40600
3.087	11.914	1.00000	.93060	136.13000	-.01120	.00350	.11010	1.81910	.66670	20.40600
3.087	13.936	1.00000	.92940	136.13000	-.00950	.00350	.10580	1.92290	.66750	20.40600
3.087	14.949	1.00000	.92940	136.13000	-.00990	.00360	.10450	1.95000	.66770	20.40600
3.087	17.002	1.00000	.93230	136.13000	-.00950	.00350	.10130	1.95190	.66820	20.40600
3.087	18.017	1.00000	.93270	136.13000	-.00970	.00360	.09960	1.94170	.66850	20.40600
3.087	22.120	1.00000	.93200	136.13000	-.00880	.00330	.09350	1.81480	.66970	20.40600
3.087	29.258	1.00000	.93140	136.13000	-.00890	.00340	.08310	1.51770	.67150	20.40600
	GRADIENT	.00000	-.00109	-.06076	.00016	-.00011	-.00122	.21237	.01855	-.00898

AMES 118-1-87 OAI45C 01 (82H002) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 16/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
2.493	.307	1.00000	2 52520	476.44000	.01180	.00170	.11540	-.24640	.68310	109.55000
2.493	1.990	1.00000	2.53340	476.44000	.01190	.00170	.11430	.11370	.65710	109.55000
2.493	4.010	1.00000	2.52900	476.44000	.01220	.00170	.11130	.55530	.66940	109.55000
2.493	6.033	1.00000	2.52880	476.44000	.01260	.00170	.10640	.97610	.67300	109.55000
2.493	8.069	1.00000	2.52850	476.44000	.01250	.00170	.10280	1.32380	.67020	109.55000
2.493	10.124	1.00000	2.52390	476.44000	.01210	.00180	.09800	1.61530	.66880	109.55000
2.493	12.200	1.00000	2.52520	476.44000	.01270	.00170	.09370	1.79410	.66840	109.55000
2.493	14.203	1.00000	2.52630	476.26000	.01290	.00180	.09120	1.87610	.66840	109.51000
2.493	15.236	1.00000	2.52220	476.62000	.01330	.00180	.08940	1.89370	.66840	109.60000
2.493	16.219	1.00000	2.52300	476.44000	.01320	.00180	.08820	1.89900	.66840	109.55000
2.493	18.252	1.00000	2.52430	476.44000	.01330	.00180	.08450	1.88580	.66900	109.55000
2.493	20.318	1.00000	2.52320	476.44000	.01360	.00180	.08060	1.83990	.66960	109.55000
2.493	22.314	1.00000	2.52160	476.26000	.01380	.00180	.07640	1.77990	.67060	109.51000
2.493	26.427	1.00000	2.51940	476.26000	.01410	.00180	.06730	1.62840	.67230	109.51000
2.493	29.771	1.00000	2.52110	476.44000	.01300	.00180	.05970	1.49830	.67320	109.55000
	GRADIENT	.00000	.00092	.00000	.00011	.00000	-.00112	.21657	-.00338	.00000

RUN NO. 22/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	.182	1.00000	2.50250	400.56000	.00430	.00120	.11030	-.34850	.60440	63.52200
3.001	1.875	1.00000	2.49690	400.80000	.00160	.00190	.11030	.00680	1.09910	63.56100
3.001	3.882	1.00000	2.48970	400.68000	.00200	.00180	.10700	.43820	.68710	63.54100
3.001	5.887	1.00000	2.48670	400.68000	.00220	.00190	.10210	.88660	.67410	63.54100
3.001	7.896	1.00000	2.48300	400.68000	.00210	.00190	.09850	1.28050	.66830	63.54100
3.001	9.949	1.00000	2.47710	400.68000	.00210	.00190	.09470	1.59020	.66610	63.54100
3.001	12.102	1.00000	2.46940	400.56000	.00220	.00190	.09180	1.78910	.66540	63.52200
3.001	14.149	1.00000	2.46730	400.56000	.00220	.00200	.08940	1.88110	.66520	63.52200
3.001	15.195	1.00000	2.46440	400.56000	.00200	.00200	.08830	1.90130	.66480	63.52200
3.001	16.195	1.00000	2.46130	400.56000	.00250	.00190	.08690	1.90970	.66510	63.52200
3.001	18.198	1.00000	2.45770	400.56000	.00240	.00200	.08410	1.89900	.66550	63.52200
3.001	20.260	1.00000	2.45590	400.56000	.00270	.00200	.08130	1.85110	.66600	63.52200
3.001	22.246	1.00000	2.46040	400.56000	.00280	.00200	.07870	1.78740	.66660	63.52200
3.001	26.350	1.00000	2.46150	400.56000	.00280	.00200	.07230	1.63170	.66800	63.52200
3.001	29.544	1.00000	2.46170	400.56000	.00240	.00200	.06800	1.49950	.66850	63.52200
	GRADIENT	.00000	-.00346	.02961	-.00060	.00016	-.00091	.21268	.01538	.00467

AMES 118-1-87 OA145C 01 (B2H002) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 85/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.498	.020	1.00000	2.46590	366.82000	-.00420	.00170	.10570	-.42760	.56290	42.83500
3.498	2.104	1.00000	2.46630	366.98000	-.00420	.00170	.10270	.01460	1.31000	42.85400
3.498	4.642	1.00000	2.46750	367.06000	-.00400	.00170	.09800	.59170	.69250	42.86300
3.498	7.116	1.00000	2.49020	368.65000	-.00390	.00170	.09280	1.14950	.67350	43.04900
3.498	9.674	1.00000	2.48440	368.65000	-.00380	.00170	.08950	1.57130	.66590	43.04900
3.498	11.737	1.00000	2.48130	368.49000	-.00380	.00170	.08730	1.78040	.66380	43.03000
3.498	13.767	1.00000	2.47940	368.41000	-.00380	.00170	.08500	1.89670	.66290	43.02100
3.498	14.765	1.00000	2.48510	368.49000	-.00380	.00170	.08390	1.92280	.66250	43.03000
3.498	15.755	1.00000	2.48220	368.33000	-.00370	.00170	.08280	1.93500	.66240	43.01200
3.498	17.774	1.00000	2.47970	368.41000	-.00360	.00170	.08040	1.92870	.66220	43.02100
3.498	19.824	1.00000	2.47500	368.41000	-.00350	.00170	.07840	1.88510	.66210	43.02100
3.498	22.314	1.00000	2.47420	368.41000	-.00350	.00170	.07530	1.80700	.66240	43.02100
3.498	25.034	1.00000	2.47640	368.25000	-.00350	.00170	.07250	1.69810	.66290	43.00200
	GRADIENT	.00000	.00035	.05119	.00004	-.00000	-.00167	.22076	.01829	.00597

AMES 118-1-87 OA145C 01 (82H003) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	3.250		

RUN NO. 13/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
2.493	.309	1.00000	3.25240	613.58000	.01600	.00120	.11170	-.25360	.68200	141.09000
2.493	2.007	1.00000	3.25230	613.40000	.01640	.00120	.11020	.10810	.65440	141.05000
2.493	3.894	1.00000	3.25670	613.21000	.01670	.00120	.10730	.52180	.66800	141.00000
2.493	5.808	1.00000	3.25190	613.21000	.01700	.00120	.10260	.92260	.67260	141.00000
2.493	7.762	1.00000	3.24580	613.03000	.01720	.00120	.09910	1.26270	.67070	140.96000
2.493	9.739	1.00000	3.24010	613.40000	.01670	.00120	.09460	1.55180	.66880	141.05000
2.493	11.930	1.00000	3.26470	619.41000	.01690	.00120	.09030	1.76960	.66820	142.43000
2.493	13.980	1.00000	3.26060	620.14000	.01740	.00120	.08720	1.86490	.66830	142.60000
2.493	15.013	1.00000	3.23890	620.14000	.01760	.00130	.08540	1.89040	.66840	142.60000
2.493	16.180	1.00000	3.25300	620.14000	.01790	.00120	.08380	1.89650	.66840	142.60000
2.493	18.250	1.00000	3.23510	619.77000	.01790	.00130	.08010	1.88330	.66880	142.51000
2.493	20.336	1.00000	3.24590	622.87000	.01810	.00130	.07640	1.83620	.66960	143.22000
2.493	22.507	1.00000	3.23760	623.41000	.01840	.00130	.07170	1.77230	.67080	143.35000
2.493	23.521	1.00000	3.24220	623.23000	.01840	.00130	.06950	1.73760	.67130	143.31000
2.493	26.586	1.00000	3.24230	623.41000	.01840	.00130	.06310	1.62000	.67240	143.35000
2.493	29.955	1.00000	3.24870	623.41000	.01740	.00130	.05580	1.48830	.67310	143.35000
	GRADIENT	.00000	.00122	-.10316	.00019	-.00000	-.00123	.21633	-.00370	-.02513

AMES 118-1-87 OA145C 01 (82H004) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	4.000		

RUN NO. 17/ 0 RN/L = 4.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
2.493	.294	1.00000	4.07180	807.72000	.02030	.00080	.10750	-.25730	.68100	185.73000
2.493	2.005	1.00000	4.07360	805.90000	.02050	.00080	.10610	.10890	.65640	185.31000
2.493	4.053	1.00000	4.06540	807.00000	.02080	.00080	.10260	.55200	.66880	185.56000
2.493	6.107	1.00000	4.05360	807.36000	.02110	.00090	.09780	.97460	.67240	185.65000
2.493	8.161	1.00000	4.07260	807.54000	.02140	.00080	.09390	1.31940	.66970	185.69000
2.493	10.234	1.00000	4.03810	807.36000	.02080	.00080	.08920	1.61380	.66780	185.65000
2.493	12.340	1.00000	4.05530	806.81000	.02110	.00080	.08570	1.79300	.66760	185.52000
2.493	14.389	1.00000	4.05710	807.18000	.02170	.00080	.08230	1.87660	.66800	185.60000
2.493	15.421	1.00000	4.05180	807.00000	.02190	.00080	.08060	1.89250	.66780	185.56000
2.493	16.426	1.00000	4.06260	807.18000	.02180	.00090	.07910	1.89870	.66790	185.60000
2.493	18.495	1.00000	4.05520	807.00000	.02220	.00080	.07530	1.88000	.66860	185.56000
2.493	20.577	1.00000	4.05770	807.36000	.02260	.00080	.07140	1.83010	.66920	185.65000
2.493	22.596	1.00000	4.05320	806.81000	.02270	.00080	.06710	1.76920	.67050	185.52000
2.493	26.753	1.00000	4.05100	807.18000	.02290	.00080	.05850	1.61260	.67210	185.60000
2.493	30.140	1.00000	4.04450	807.36000	.02160	.00070	.05130	1.48040	.67270	185.65000
	GRADIENT	.00000	-.00178	-.16790	.00013	-.00000	-.00132	.21536	-.00294	-.03980

AMES 118-1-87 OA145C 01 (B2H005) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 19/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
2.493	-6.497	1.00000	2.52450	484.27000	.01460	.00140	.10450	.83590	.68790	111.35000
2.493	-4.377	1.00000	2.53280	484.27000	.01440	.00140	.10660	.79090	.67750	111.35000
2.493	-2.235	1.00000	2.53160	484.09000	.01430	.00140	.10660	.78260	.67360	111.31000
2.493	-1.178	1.00000	2.52710	484.09000	.01400	.00150	.10690	.77570	.67190	111.31000
2.493	-.106	1.00000	2.53190	484.27000	.01410	.00150	.10660	.78070	.67220	111.35000
2.493	.962	1.00000	2.53570	484.27000	.01430	.00140	.10630	.78400	.67280	111.35000
2.493	2.004	1.00000	2.53350	484.27000	.01400	.00150	.10630	.79120	.67380	111.35000
2.493	3.057	1.00000	2.53000	484.27000	.01400	.00150	.10640	.79270	.67570	111.35000
2.493	4.134	1.00000	2.53170	484.27000	.01410	.00150	.10630	.80400	.67800	111.35000
2.493	6.279	1.00000	2.53210	484.27000	.01400	.00150	.10440	.84860	.68810	111.35000
	GRADIENT	.00000	.00005	.01272	-.00004	.00001	-.00005	.00175	.00013	.00283

RUN NO. 27/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-6.277	1.00000	2.48570	415.83000	.00300	.00170	.10230	.75260	.69730	65.94300
3.001	-4.158	1.00000	2.48670	415.95000	.00260	.00180	.10340	.71800	.68850	65.96200
3.001	-3.091	1.00000	2.47760	415.83000	.00240	.00190	.10340	.70310	.68340	65.94300
3.001	-2.045	1.00000	2.48070	415.95000	.00220	.00190	.10340	.69790	.68060	65.96200
3.001	-.987	1.00000	2.48470	415.95000	.00200	.00200	.10390	.68720	.67770	65.96200
3.001	.083	1.00000	2.47890	415.83000	.00250	.00180	.10390	.68870	.67790	65.94300
3.001	1.138	1.00000	2.48730	415.95000	.00230	.00190	.10360	.69180	.67740	65.96200
3.001	2.194	1.00000	2.49250	415.95000	.00250	.00180	.10330	.70090	.68010	65.96200
3.001	3.248	1.00000	2.49440	415.83000	.00240	.00190	.10360	.70900	.68280	65.94300
3.001	4.300	1.00000	2.49310	415.83000	.00240	.00190	.10310	.72640	.68830	65.94300
3.001	6.437	1.00000	2.49130	415.83000	.00230	.00190	.10280	.75180	.69750	65.94300
3.001	10.626	1.00000	2.48860	415.83000	.00250	.00180	.10340	.76510	.71190	65.94300
	GRADIENT	.00000	.00161	-.00758	.00000	.00000	-.00002	.00097	-.00006	-.00120

AMES 118-1-87 OA145C 01 (B2H005) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 87/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.498	-6.557	1.00000	2.47990	370.56000	-.00410	.00160	.09790	.67920	.71170	43.27200
3.498	-4.471	1.00000	2.47970	370.56000	-.00410	.00170	.09760	.65500	.70540	43.27200
3.498	-2.348	1.00000	2.47900	370.64000	-.00420	.00170	.09700	.64370	.69630	43.28200
3.498	-1.259	1.00000	2.47350	370.72000	-.00420	.00170	.09700	.62730	.69260	43.29100
3.498	-.181	1.00000	2.47060	370.64000	-.00410	.00170	.09740	.62150	.69130	43.28200
3.498	.892	1.00000	2.46720	370.56000	-.00420	.00170	.09710	.62370	.69200	43.27200
3.498	1.970	1.00000	2.46780	370.72000	-.00410	.00170	.09720	.63090	.69680	43.29100
3.498	3.056	1.00000	2.46750	370.56000	-.00420	.00170	.09770	.63870	.69950	43.27200
3.498	4.143	1.00000	2.46450	370.48000	-.00410	.00170	.09770	.65260	.70580	43.26300
3.498	6.304	1.00000	2.46680	370.56000	-.00420	.00170	.09840	.65730	.71110	43.27200
	GRADIENT	.00000	-.00187	-.00881	.00000	.00000	.00004	-.00060	.00016	-.00104

AMES 118-1-87 OA145C 01 (B2H006) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 29/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
2.493	-6.497	1.00000	2.51020	474.07000	.01520	.00130	.09570	1.64430	.67210	109.01000
2.493	-4.382	1.00000	2.51130	473.89000	.01470	.00140	.09650	1.62420	.66980	108.97000
2.493	-2.263	1.00000	2.51160	474.07000	.01440	.00140	.09580	1.62460	.66940	109.01000
2.493	-1.197	1.00000	2.51300	473.89000	.01410	.00150	.09570	1.62190	.66890	108.97000
2.493	-.128	1.00000	2.51530	474.07000	.01410	.00150	.09520	1.62500	.66860	109.01000
2.493	.923	1.00000	2.50500	474.07000	.01430	.00140	.09500	1.62880	.66880	109.01000
2.493	1.992	1.00000	2.50670	473.89000	.01470	.00140	.09540	1.62460	.66970	108.97000
2.493	3.011	1.00000	2.51700	473.89000	.01470	.00140	.09590	1.62230	.66980	108.97000
2.493	4.060	1.00000	2.52080	474.07000	.01450	.00150	.09610	1.62560	.67010	109.01000
2.493	6.215	1.00000	2.51950	474.07000	.01460	.00140	.09570	1.63910	.67300	109.01000
	GRADIENT	.00000	.00063	.00513	.00001	.00000	-.00005	.00011	.00006	.00114

AMES 118-1-87 OA145C 01 (82H006) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 24/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-6.261	1.00000	2.47840	409.29000	.00350	.00170	.09380	1.63180	.67240	64.90800
3.001	-4.164	1.00000	2.50070	413.89000	.00300	.00190	.09490	1.61530	.66840	65.63600
3.001	-3.100	1.00000	2.49800	414.01000	.00320	.00190	.09460	1.61040	.66730	65.65500
3.001	-2.048	1.00000	2.49890	414.01000	.00360	.00180	.09380	1.60990	.66680	65.65500
3.001	-.994	1.00000	2.49080	413.89000	.00280	.00200	.09420	1.60930	.66610	65.63600
3.001	.071	1.00000	2.49680	413.89000	.00300	.00190	.09360	1.61310	.66620	65.63600
3.001	1.123	1.00000	2.48950	414.01000	.00320	.00190	.09360	1.61630	.66630	65.65500
3.001	2.167	1.00000	2.49060	413.89000	.00330	.00180	.09370	1.61220	.66680	65.63600
3.001	3.203	1.00000	2.48880	413.89000	.00330	.00190	.09390	1.61240	.66750	65.63600
3.001	4.236	1.00000	2.48970	413.89000	.00310	.00190	.09420	1.61540	.66850	65.63600
3.001	6.376	1.00000	2.48990	413.89000	.00360	.00180	.09330	1.62670	.67250	65.63600
3.001	10.611	1.00000	2.49040	413.89000	.00280	.00200	.09300	1.66290	.68210	65.63600
	GRADIENT	.00000	-.00142	-.00759	.00001	-.00000	-.00009	.00028	.00002	-.00120

RUN NO. 88/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.498	-6.536	1.00000	2.47240	370.48000	-.00400	.00170	.08960	1.61230	.67360	43.26300
3.498	-4.438	1.00000	2.47840	370.56000	-.00380	.00170	.08980	1.59400	.66930	43.27200
3.498	-2.336	1.00000	2.47650	370.40000	-.00380	.00170	.08930	1.59180	.66680	43.25400
3.498	-1.227	1.00000	2.48020	370.56000	-.00380	.00170	.08920	1.58470	.66600	43.27200
3.498	-.174	1.00000	2.47360	370.40000	-.00370	.00170	.08900	1.58850	.66570	43.25400
3.498	.910	1.00000	2.46930	370.48000	-.00390	.00170	.08930	1.59170	.66590	43.26300
3.498	2.008	1.00000	2.47160	370.56000	-.00380	.00170	.08960	1.58950	.66650	43.27200
3.498	3.055	1.00000	2.46780	370.64000	-.00380	.00170	.09030	1.58150	.66660	43.28200
3.498	4.127	1.00000	2.47290	370.56000	-.00380	.00170	.09030	1.59240	.66850	43.27200
3.498	6.293	1.00000	2.47520	370.48000	-.00390	.00170	.09000	1.60100	.67370	43.26300
	GRADIENT	.00000	-.00113	.01132	-.00000	-.00000	.00009	-.00051	-.00009	.00132

AMES 118-1-87 OA145C 01 (B2H007) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 15/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
2.493	-6.604	1.00000	2.51500	475.71000	.01240	.00170	.08620	1.93790	.67170	109.39000
2.493	-4.476	1.00000	2.51470	476.44000	.01270	.00180	.08900	1.90230	.66930	109.55000
2.493	-3.402	1.00000	2.51660	476.44000	.01290	.00180	.08930	1.89780	.66880	109.55000
2.493	-2.331	1.00000	2.51580	476.62000	.01270	.00180	.08910	1.90100	.66900	109.60000
2.493	-1.253	1.00000	2.51290	476.44000	.01280	.00180	.08930	1.89780	.66860	109.55000
2.493	-.209	1.00000	2.51340	476.44000	.01260	.00190	.08950	1.89640	.66840	109.55000
2.493	.876	1.00000	2.51710	476.44000	.01290	.00180	.08910	1.89860	.66870	109.55000
2.493	1.956	1.00000	2.51050	476.44000	.01280	.00180	.08920	1.89970	.66900	109.55000
2.493	3.007	1.00000	2.51490	476.44000	.01300	.00180	.08920	1.89840	.66900	109.55000
2.493	4.086	1.00000	2.51770	476.44000	.01280	.00180	.08870	1.90710	.66970	109.55000
2.493	6.216	1.00000	2.51820	476.44000	.01240	.00170	.08600	1.93970	.67210	109.55000
	GRADIENT	.00000	.00001	-.00560	.00002	-.00000	-.00002	.00030	.00004	-.00156

RUN NO. 23/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-6.307	1.00000	2.49200	409.41000	.00280	.00180	.08620	1.93240	.66910	64.92500
3.001	-4.246	1.00000	2.49100	409.29000	.00260	.00190	.08760	1.91680	.66710	64.90600
3.001	-3.178	1.00000	2.49100	409.29000	.00230	.00200	.08860	1.90720	.66580	64.90600
3.001	-2.116	1.00000	2.48390	409.41000	.00330	.00170	.08810	1.90260	.66540	64.92500
3.001	-1.054	1.00000	2.48670	409.29000	.00250	.00200	.08840	1.90860	.66540	64.90600
3.001	.008	1.00000	2.48670	409.29000	.00220	.00200	.08910	1.90320	.66480	64.90600
3.001	1.087	1.00000	2.48090	409.41000	.00260	.00190	.08850	1.90560	.66530	64.92500
3.001	2.137	1.00000	2.48020	409.29000	.00270	.00190	.08870	1.90180	.66560	64.90600
3.001	3.188	1.00000	2.48160	409.29000	.00230	.00200	.08860	1.90630	.66620	64.90600
3.001	4.258	1.00000	2.47840	409.29000	.00280	.00190	.08730	1.91640	.66750	64.90600
3.001	6.366	1.00000	2.46580	409.41000	.00280	.00190	.08600	1.93300	.66940	64.92500
3.001	10.507	1.00000	2.47350	409.29000	.00320	.00190	.08570	1.93530	.67360	64.90600
	GRADIENT	.00000	-.00144	-.00185	-.00000	.00000	.00000	-.00014	.00005	-.00029

AMES 118-1-87 OA145C 01 (B2H007) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 151/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.498	-6.538	1.00000	2.47980	355.82000	-.00540	.00190	.08470	1.94350	.66640	41.55100
3.498	-4.413	1.00000	2.47300	355.43000	-.00550	.00190	.08470	1.93880	.66470	41.50500
3.498	-2.273	1.00000	2.47260	355.66000	-.00510	.00190	.08500	1.92750	.66310	41.53200
3.498	-1.186	1.00000	2.47320	356.14000	-.00510	.00190	.08440	1.93290	.66330	41.58800
3.498	-.125	1.00000	2.46630	356.38000	-.00520	.00190	.08480	1.92870	.66290	41.61600
3.498	.970	1.00000	2.46870	356.30000	-.00520	.00190	.08470	1.92860	.66320	41.60700
3.498	2.035	1.00000	2.46810	356.22000	-.00520	.00190	.08510	1.91960	.66280	41.59800
3.498	3.103	1.00000	2.47390	356.46000	-.00520	.00190	.08470	1.92240	.66350	41.62500
3.498	4.182	1.00000	2.46170	356.46000	-.00520	.00190	.08460	1.92500	.66450	41.62500
3.498	6.302	1.00000	2.46150	356.30000	-.00520	.00190	.08470	1.92090	.66670	41.60700
	GRADIENT	.00000	-.00086	.11915	.00002	.00000	-.00000	-.00171	-.00003	.01390

AMES 118-1-87 OA145C 01 (B2H008) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 3.250

RUN NO. 14/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
2.493	-6.620	1.00000	3.25670	623.05000	.01670	.00130	.08150	1.93420	.67160	143.27000
2.493	-4.514	1.00000	3.25310	622.69000	.01740	.00130	.08390	1.90230	.66920	143.18000
2.493	-3.430	1.00000	3.24460	622.14000	.01750	.00130	.08420	1.89680	.66880	143.06000
2.493	-2.349	1.00000	3.23630	622.69000	.01760	.00130	.08400	1.89750	.66870	143.18000
2.493	-1.293	1.00000	3.23990	622.69000	.01760	.00130	.08400	1.89730	.66830	143.18000
2.493	-.215	1.00000	3.23520	622.69000	.01780	.00130	.08420	1.89320	.66800	143.18000
2.493	.871	1.00000	3.23060	622.50000	.01760	.00130	.08410	1.89710	.66830	143.14000
2.493	1.960	1.00000	3.22640	622.87000	.01740	.00140	.08420	1.89800	.66870	143.22000
2.493	3.033	1.00000	3.23060	623.78000	.01790	.00130	.08410	1.89590	.66900	143.43000
2.493	4.109	1.00000	3.22870	623.96000	.01750	.00130	.08380	1.90270	.66940	143.47000
2.493	6.241	1.00000	3.23150	623.96000	.01710	.00120	.08100	1.93870	.67200	143.47000
	GRADIENT	.00000	-.00261	.15731	.00002	.00000	-.00000	-.00000	.00002	.03573

AMES 118-1-87 OA145C 01 (82H009) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	4.000		

RUN NO. 18/ 0 RN/L = 4.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
2.493	-6.679	1.00000	4.03520	807.18000	.02080	.00080	.07780	1.93460	.67130	185.60000
2.493	-4.543	1.00000	4.03310	807.36000	.02160	.00080	.08010	1.90010	.66890	185.65000
2.493	-3.461	1.00000	4.03790	807.00000	.02190	.00080	.08050	1.89250	.66850	185.56000
2.493	-2.376	1.00000	4.03250	807.18000	.02170	.00080	.08040	1.89530	.66850	185.60000
2.493	-1.289	1.00000	4.03390	807.00000	.02180	.00080	.08040	1.89260	.66800	185.56000
2.493	-.225	1.00000	4.03190	807.54000	.02190	.00080	.08050	1.89070	.66760	185.69000
2.493	2.002	1.00000	4.03670	807.36000	.02200	.00080	.08020	1.89450	.66870	185.65000
2.493	4.134	1.00000	4.03020	807.54000	.02180	.00080	.07980	1.90170	.66930	185.69000
2.493	6.267	1.00000	4.03270	807.36000	.02120	.00070	.07710	1.93780	.67180	185.65000
	GRADIENT	.00000	-.00030	.04255	.00002	-.00000	-.00005	.00031	.00005	.01028

AMES 118-1-87 OA145C 01 (82H010) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 31/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
2.493	-6.536	1.00000	2.51410	473.89000	.01480	.00140	.07400	1.87580	.67230	108.97000
2.493	-4.400	1.00000	2.51480	473.89000	.01490	.00150	.07560	1.86540	.67100	108.97000
2.493	-2.278	1.00000	2.51170	473.89000	.01540	.00150	.07320	1.84330	.66950	108.97000
2.493	-1.212	1.00000	2.51170	473.89000	.01530	.00160	.07860	1.84060	.66940	108.97000
2.493	-.137	1.00000	2.50870	474.07000	.01560	.00150	.07840	1.83940	.66930	109.01000
2.493	.947	1.00000	2.50790	474.07000	.01570	.00150	.07810	1.84100	.66940	109.01000
2.493	2.005	1.00000	2.51220	473.89000	.01550	.00150	.07800	1.84580	.66960	108.97000
2.493	3.061	1.00000	2.50950	473.89000	.01480	.00150	.07740	1.85730	.67010	108.97000
2.493	4.092	1.00000	2.50910	473.89000	.01490	.00150	.07610	1.86850	.67120	108.97000
2.493	6.187	1.00000	2.50980	474.07000	.01480	.00140	.07440	1.88270	.67250	109.01000
	GRADIENT	.00000	-.00055	.00093	-.00001	-.00000	.00001	.00073	.00003	.00021

AMES 118-1-87 OA145C 01 (82H010) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 25/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-6.407	1.00000	2.49170	415.83000	.00330	.00170	.07750	1.88130	.66900	65.94300
3.001	-4.290	1.00000	2.49130	415.83000	.00300	.00190	.07870	1.87310	.66770	65.94300
3.001	-3.214	1.00000	2.48950	415.83000	.00340	.00180	.07950	1.86360	.66680	65.94300
3.001	-2.194	1.00000	2.48990	415.83000	.00300	.00200	.08070	1.85410	.66580	65.94300
3.001	-1.124	1.00000	2.48790	415.83000	.00300	.00210	.08100	1.85100	.66580	65.94300
3.001	-.068	1.00000	2.49260	415.83000	.00320	.00200	.08060	1.84920	.66600	65.94300
3.001	1.024	1.00000	2.49550	415.83000	.00320	.00200	.08060	1.84760	.66600	65.94300
3.001	2.081	1.00000	2.49830	415.95000	.00300	.00200	.08050	1.85020	.66610	65.96200
3.001	3.153	1.00000	2.50050	415.83000	.00280	.00200	.07940	1.86070	.66720	65.94300
3.001	4.215	1.00000	2.50230	415.83000	.00290	.00190	.07860	1.86670	.66820	65.94300
3.001	6.309	1.00000	2.49570	415.83000	.00270	.00200	.07760	1.87640	.66940	65.94300
3.001	10.520	1.00000	2.49770	415.71000	.00280	.00190	.07820	1.87150	.67060	65.92400
	GRADIENT	.00000	.00159	.00376	-.00003	.00001	-.00002	-.00070	.00006	.00060

RUN NO. 152/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.498	-6.474	1.00000	2.45730	356.38000	-.00530	.00190	.07840	1.91130	.66570	41.61600
3.498	-4.365	1.00000	2.45600	356.38000	-.00520	.00190	.07850	1.90580	.66460	41.61600
3.498	-2.213	1.00000	2.44950	356.38000	-.00520	.00190	.07950	1.89310	.66280	41.61600
3.498	-1.151	1.00000	2.45160	356.30000	-.00510	.00190	.07980	1.88880	.66240	41.60700
3.498	-.062	1.00000	2.45000	356.22000	-.00500	.00190	.07970	1.88730	.66240	41.59800
3.498	1.049	1.00000	2.45180	356.22000	-.00500	.00190	.07990	1.88330	.66230	41.59800
3.498	2.097	1.00000	2.44700	356.30000	-.00510	.00190	.07990	1.88620	.66260	41.60700
3.498	3.144	1.00000	2.44940	356.06000	-.00510	.00190	.07950	1.89110	.66370	41.57900
3.498	4.226	1.00000	2.44440	356.14000	-.00510	.00190	.07920	1.89350	.66470	41.58800
3.498	6.273	1.00000	2.44840	355.98000	-.00520	.00190	.07870	1.89630	.66610	41.57000
	GRADIENT	.00000	-.00099	-.03298	.00001	.00000	.00007	-.00129	.00003	-.00383

AMES 118-1-87 OA145C 01 (B2H011) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 28/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
2.493	.449	1.00000	2.51530	473.52000	.01400	.00130	.11460	-.22380	.67570	108.88000
2.493	2.102	1.00000	2.50790	473.34000	.01390	.00130	.11230	.12290	.66280	108.84000
2.493	2.603	1.00000	2.50760	473.52000	.01410	.00130	.11110	.23540	.67130	108.88000
2.493	5.065	1.00000	2.50890	473.89000	.01430	.00130	.10610	.76930	.67400	108.97000
2.493	7.663	1.00000	2.50930	474.25000	.01460	.00140	.10090	1.25360	.67210	109.05000
2.493	10.286	1.00000	2.50680	474.07000	.01450	.00140	.09560	1.62050	.66970	109.01000
2.493	12.363	1.00000	2.50540	473.89000	.01460	.00140	.09150	1.79450	.66920	108.97000
2.493	14.359	1.00000	2.50940	474.07000	.01500	.00140	.08850	1.87090	.66890	109.01000
2.493	15.381	1.00000	2.50960	474.07000	.01510	.00150	.08700	1.88830	.66880	109.01000
2.493	16.347	1.00000	2.51010	474.07000	.01540	.00140	.08520	1.89450	.66880	109.01000
2.493	18.393	1.00000	2.52150	474.07000	.01540	.00150	.08200	1.87720	.66910	109.01000
2.493	20.491	1.00000	2.52250	473.89000	.01550	.00140	.07770	1.83520	.66960	108.97000
2.493	22.876	1.00000	2.51730	474.07000	.01530	.00150	.07340	1.75960	.67020	109.01000
2.493	25.624	1.00000	2.52000	474.07000	.01560	.00150	.06720	1.65930	.67180	109.01000
	GRADIENT	.00000	-.00380	-.02719	.00002	.00000	-.00157	.21226	-.00348	-.00604

RUN NO. 26/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	.411	1.00000	2.49190	415.83000	.00240	.00180	.11290	-.29900	.58850	65.94300
3.001	1.923	1.00000	2.48970	415.83000	.00220	.00190	.11070	.01700	1.01370	65.94300
3.001	3.948	1.00000	2.48530	415.83000	.00230	.00190	.10600	.46430	.69130	65.94300
3.001	5.979	1.00000	2.48860	415.71000	.00230	.00190	.10150	.91600	.67460	65.92400
3.001	8.028	1.00000	2.48680	415.71000	.00240	.00190	.09790	1.31330	.66980	65.92400
3.001	10.090	1.00000	2.48190	415.83000	.00270	.00190	.09460	1.60570	.66700	65.94300
3.001	12.178	1.00000	2.48500	415.83000	.00270	.00190	.09190	1.79000	.66600	65.94300
3.001	14.087	1.00000	2.48480	415.71000	.00290	.00190	.08970	1.87590	.66540	65.92400
3.001	15.147	1.00000	2.48260	415.83000	.00310	.00190	.08800	1.90410	.66570	65.94300
3.001	16.099	1.00000	2.48670	416.07000	.00300	.00190	.08660	1.91390	.66570	65.98200
3.001	18.142	1.00000	2.48820	415.83000	.00310	.00190	.08380	1.89880	.66570	65.94300
3.001	20.243	1.00000	2.49530	415.83000	.00330	.00180	.08060	1.85310	.66620	65.94300
3.001	22.219	1.00000	2.49680	415.83000	.00330	.00190	.07770	1.79250	.66670	65.94300
3.001	26.329	1.00000	2.49510	415.83000	.00390	.00170	.07130	1.63290	.66820	65.94300
3.001	29.557	1.00000	2.49910	415.95000	.00270	.00190	.06710	1.50060	.66880	65.96200
	GRADIENT	.00000	-.00188	.00000	-.00002	.00003	-.00197	.21605	.01870	.00000

AMES 118-1-87 OA145C 01 (B2H011) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPOBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 867 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.498	.077	1.00000	2.50460	368.49000	-.00420	.00170	.10760	-.41120	.56200	43.03000
3.498	2.252	1.00000	2.50190	368.57000	-.00410	.00170	.10340	.03970	1.05440	43.04000
3.498	8.729	1.00000	2.49240	368.09000	-.00400	.00170	.09120	1.43110	.66850	42.98400
3.498	9.877	1.00000	2.48180	368.17000	-.00390	.00170	.08970	1.59530	.66630	42.99300
3.498	11.899	1.00000	2.47960	368.33000	-.00390	.00170	.08770	1.78660	.66390	43.01200
3.498	13.874	1.00000	2.48050	368.33000	-.00390	.00170	.08590	1.89390	.66260	43.01200
3.498	14.910	1.00000	2.47490	368.33000	-.00390	.00170	.08490	1.91960	.66240	43.01200
3.498	15.874	1.00000	2.47040	368.25000	-.00390	.00170	.08350	1.93370	.66230	43.00200
3.498	17.922	1.00000	2.47240	369.21000	-.00380	.00170	.08100	1.92240	.66230	43.11400
3.498	19.999	1.00000	2.47560	369.13000	-.00380	.00170	.07840	1.88110	.66230	43.10500
3.498	22.477	1.00000	2.47230	369.13000	-.00370	.00170	.07560	1.79910	.66270	43.10500
3.498	25.146	1.00000	2.46620	369.13000	-.00370	.00170	.07270	1.69260	.66330	43.10500
	GRADIENT	.00000	-.00124	.03677	.00005	.00000	-.00193	.20722	.22630	.00460

AMES 11B-1-87 OA145C 01 (B2H012) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 5.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.00 RUDDER = .000
RN/L = 2.500

RUN NO. 417 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.182	1.00000	2.49750	418.55000	.00320	.00150	.11170	-.25870	.49090	66.42800
3.000	1.965	1.00000	2.49470	418.67000	.00270	.00170	.10990	.11690	.93300	66.44700
3.000	6.010	1.00000	2.49440	418.55000	.00310	.00170	.10230	.98920	.69620	66.42800
3.000	8.005	1.00000	2.49440	418.55000	.00280	.00170	.09920	1.35970	.68500	66.42800
3.000	10.062	1.00000	2.49150	418.55000	.00320	.00170	.09540	1.64610	.67980	66.42800
3.000	12.123	1.00000	2.49880	418.55000	.00290	.00180	.09320	1.81400	.67700	66.42800
3.000	14.119	1.00000	2.49460	418.55000	.00330	.00180	.09060	1.89560	.67570	66.42800
3.000	15.155	1.00000	2.49080	418.43000	.00340	.00170	.08980	1.90670	.67500	66.40900
3.000	16.146	1.00000	2.48750	418.55000	.00360	.00170	.08860	1.91400	.67490	66.42800
3.000	18.170	1.00000	2.49150	418.55000	.00350	.00180	.08620	1.89680	.67470	66.42800
3.000	20.229	1.00000	2.48840	418.55000	.00370	.00180	.08390	1.84510	.67470	66.42800
3.000	22.213	1.00000	2.48820	418.55000	.00410	.00170	.08140	1.77940	.67470	66.42800
3.000	26.328	1.00000	2.49050	418.67000	.00430	.00160	.07600	1.61930	.67550	66.44700
3.000	29.806	1.00000	2.49020	418.67000	.00410	.00160	.07200	1.47520	.67590	66.44700
	GRADIENT	.00000	-.00157	.06734	-.00028	.00011	-.00101	.21074	.24805	.01066

AMES 118-1-87 OA145C 01 (82H013) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 40/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.182	1.00000	2.49040	418.55000	.00330	.00150	.11360	-.16900	.25870	66.42800
3.000	2.411	1.00000	2.49080	418.55000	.00300	.00160	.11160	.30100	.85180	66.42800
3.000	4.933	1.00000	2.48940	418.67000	.00320	.00160	.10770	.82510	.73160	66.44700
3.000	10.065	1.00000	2.49260	418.55000	.00300	.00170	.09960	1.66450	.69410	66.42800
3.000	12.117	1.00000	2.48750	418.55000	.00300	.00180	.09770	1.81650	.68950	66.42800
3.000	14.124	1.00000	2.48730	418.55000	.00330	.00170	.09580	1.88400	.68710	66.42800
3.000	15.160	1.00000	2.48670	418.67000	.00300	.00180	.09520	1.89840	.68590	66.44700
3.000	16.146	1.00000	2.47960	418.55000	.00330	.00170	.09410	1.89900	.68540	66.42800
3.000	18.170	1.00000	2.48750	418.55000	.00380	.00170	.09240	1.87210	.68470	66.42800
3.000	20.226	1.00000	2.48640	418.55000	.00350	.00190	.09090	1.82090	.68420	66.42800
3.000	22.628	1.00000	2.48860	418.55000	.00380	.00180	.08890	1.73760	.68380	66.42800
3.000	25.394	1.00000	2.49300	418.55000	.00450	.00160	.08570	1.63100	.68380	66.42800
	GRADIENT	.00000	-.00022	.02574	-.00002	.00002	-.00125	.20921	.09632	.00408

RUN NO. 186/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.498	4.792	1.00000	2.45310	361.40000	-.00510	.00190	.10180	.78060	.74290	42.20200
3.498	7.315	1.00000	2.44460	361.32000	-.00500	.00190	.09760	1.30980	.70790	42.19300
3.498	9.766	1.00000	2.44960	361.32000	-.00490	.00190	.09520	1.65430	.69420	42.19300
3.498	11.811	1.00000	2.44510	361.40000	-.00480	.00190	.09370	1.82660	.68880	42.20200
3.498	13.830	1.00000	2.44710	361.24000	-.00490	.00190	.09230	1.91240	.68590	42.18400
3.498	14.856	1.00000	2.45010	361.48000	-.00490	.00190	.09150	1.92930	.68480	42.21200
3.498	15.885	1.00000	2.44660	361.32000	-.00490	.00200	.09070	1.93390	.68390	42.19300
3.498	17.854	1.00000	2.44900	361.32000	-.00470	.00200	.08950	1.90860	.68240	42.19300
3.498	19.953	1.00000	2.44240	361.32000	-.00460	.00200	.08850	1.85240	.68130	42.19300
3.498	22.428	1.00000	2.44030	361.40000	-.00450	.00200	.08680	1.76740	.68050	42.20200
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (B2H014) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 20.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 39/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.181	1.00000	2.48820	418.67000	.00310	.00150	.12390	.03660	3.61510	66.44700
3.000	2.440	1.00000	2.48600	418.67000	.00270	.00170	.12360	.48020	.89280	66.44700
3.000	4.954	1.00000	2.48780	418.67000	.00310	.00170	.12110	.94560	.78020	66.44700
3.000	7.465	1.00000	2.49400	418.67000	.00320	.00170	.11830	1.35400	.74410	66.44700
3.000	10.066	1.00000	2.49440	418.55000	.00320	.00170	.11710	1.62730	.72640	66.42800
3.000	12.139	1.00000	2.49900	418.55000	.00320	.00170	.11720	1.74340	.71880	66.42800
3.000	14.123	1.00000	2.50470	418.67000	.00310	.00180	.11750	1.79400	.71390	66.44700
3.000	15.156	1.00000	2.49760	418.67000	.00320	.00170	.11760	1.79490	.71180	66.44700
3.000	16.146	1.00000	2.49620	418.55000	.00300	.00180	.11740	1.79570	.71050	66.42800
3.000	18.177	1.00000	2.49550	418.55000	.00310	.00180	.11790	1.76240	.70840	66.42800
3.000	20.228	1.00000	2.49930	418.55000	.00330	.00180	.11830	1.70900	.70650	66.42800
3.000	22.618	1.00000	2.49570	418.55000	.00370	.00180	.11910	1.62950	.70480	66.42800
3.000	25.389	1.00000	2.50020	418.55000	.00410	.00170	.11950	1.53020	.70340	66.42800
	GRADIENT	.00000	-.00007	.00000	.00000	.00004	-.00059	.19035	-.58361	.00000

AMES 11B-1-87 OA145C 01 (B2H015) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-5.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 45/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	.188	1.00000	2.48480	409.04000	.00270	.00150	.11200	-.42060	.65980	64.86700
3.001	1.871	1.00000	2.48840	409.04000	.00280	.00150	.10970	-.07060	.75890	64.86700
3.001	3.991	1.00000	2.48700	409.04000	.00330	.00150	.10590	.37850	.64200	64.86700
3.001	6.076	1.00000	2.48110	408.92000	.00350	.00150	.10030	.85810	.65180	64.84800
3.001	8.063	1.00000	2.48110	408.92000	.00350	.00150	.09660	1.24780	.65250	64.84800
3.001	10.101	1.00000	2.48210	408.92000	.00340	.00150	.09290	1.65540	.65360	64.84800
3.001	12.167	1.00000	2.47960	408.92000	.00350	.00160	.09000	1.75470	.65490	64.84800
3.001	14.173	1.00000	2.47640	408.92000	.00380	.00160	.08720	1.85170	.65580	64.84800
3.001	15.211	1.00000	2.47710	408.92000	.00380	.00160	.08580	1.87730	.65600	64.84800
3.001	16.191	1.00000	2.47610	409.04000	.00390	.00160	.08420	1.89650	.65670	64.86700
3.001	18.229	1.00000	2.47490	409.04000	.00400	.00160	.08100	1.89140	.65790	64.86700
3.001	20.282	1.00000	2.47400	408.92000	.00420	.00160	.07800	1.84860	.65900	64.84800
3.001	22.267	1.00000	2.46980	408.92000	.00440	.00160	.07490	1.78900	.65970	64.84800
3.001	26.348	1.00000	2.47290	408.92000	.00420	.00160	.06820	1.63680	.66180	64.84800
3.001	29.798	1.00000	2.46780	408.92000	.00390	.00160	.06290	1.49490	.66260	64.84800
	GRADIENT	.00000	.00053	.00000	.00016	-.00000	-.00161	.21019	-.00683	.00000

AMES 11B-1-87 OA145C 01 (82H018) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 46/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	.189	1.00000	2.47550	412.19000	.00280	.00150	.11300	-.49230	.69940	65.36700
3.001	2.462	1.00000	2.48010	411.71000	.00290	.00150	.10960	-.02970	-1.11080	65.29000
3.001	5.024	1.00000	2.47300	411.71000	.00320	.00150	.10390	.54360	.61630	65.29000
3.001	7.613	1.00000	2.48010	411.71000	.00340	.00150	.09810	1.09670	.63650	65.29000
3.001	10.117	1.00000	2.48730	411.71000	.00330	.00150	.09340	1.50370	.64240	65.29000
3.001	12.158	1.00000	2.48590	411.59000	.00330	.00150	.09030	1.71330	.64580	65.27100
3.001	14.171	1.00000	2.48890	411.71000	.00370	.00150	.08710	1.82110	.64790	65.29000
3.001	15.226	1.00000	2.48730	411.83000	.00380	.00160	.08570	1.85090	.64860	65.30900
3.001	16.195	1.00000	2.48440	411.83000	.00380	.00160	.08420	1.87160	.64960	65.30900
3.001	18.219	1.00000	2.48330	411.71000	.00400	.00160	.08120	1.87260	.65160	65.29000
3.001	20.265	1.00000	2.48190	411.71000	.00420	.00160	.07820	1.83400	.65310	65.29000
3.001	22.765	1.00000	2.48300	411.71000	.00430	.00160	.07380	1.76400	.65460	65.29000
3.001	25.372	1.00000	2.47790	411.71000	.00420	.00160	.06880	1.67410	.65620	65.29000
	GRADIENT	.00000	.00202	-.21113	.00004	.00000	-.00150	.20347	-.79622	-.03387

RUN NO. 185/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.498	4.799	1.00000	2.46550	361.40000	-.00500	.00190	.09880	.50620	.64100	42.20200
3.498	7.311	1.00000	2.46920	361.40000	-.00490	.00190	.09360	1.08520	.64610	42.20200
3.498	9.751	1.00000	2.46420	361.48000	-.00490	.00190	.09020	1.49630	.64620	42.21200
3.498	11.805	1.00000	2.46500	361.40000	-.00490	.00190	.08770	1.72330	.64710	42.20200
3.498	13.823	1.00000	2.46190	361.40000	-.00480	.00190	.08530	1.84820	.64790	42.20200
3.498	14.872	1.00000	2.45910	361.48000	-.00470	.00190	.08380	1.88300	.64810	42.21200
3.498	15.854	1.00000	2.45910	361.32000	-.00470	.00200	.08260	1.90220	.64870	42.19300
3.498	17.853	1.00000	2.45980	361.32000	-.00450	.00190	.08010	1.90210	.64950	42.19300
3.498	19.909	1.00000	2.45910	361.48000	-.00450	.00200	.07810	1.86620	.65010	42.21200
3.498	22.444	1.00000	2.45440	361.24000	-.00470	.00200	.07450	1.79440	.65100	42.18400
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 11B-1-87 OA145C 01 (B2H017) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -20.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 47/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	.180	1.00000	2.47230	411.71000	.00200	.00140	.12040	-.62530	.75030	65.29000
3.001	2.531	1.00000	2.47040	411.71000	.00230	.00140	.11590	-.16600	1.14760	65.29000
3.001	5.058	1.00000	2.47130	411.71000	.00270	.00150	.10950	.39530	.53590	65.29000
3.001	7.325	1.00000	2.46990	411.71000	.00280	.00150	.10350	.88790	.60080	65.29000
3.001	10.092	1.00000	2.46680	411.71000	.00320	.00150	.09720	1.37300	.62220	65.29000
3.001	12.152	1.00000	2.46480	411.71000	.00310	.00150	.09350	1.60740	.62980	65.29000
3.001	14.166	1.00000	2.47630	411.71000	.00320	.00150	.09040	1.74080	.63510	65.29000
3.001	15.201	1.00000	2.47940	411.71000	.00330	.00150	.08900	1.77950	.63680	65.29000
3.001	16.201	1.00000	2.48080	411.71000	.00350	.00150	.08760	1.80350	.63860	65.29000
3.001	18.233	1.00000	2.48120	411.71000	.00390	.00160	.08480	1.81370	.64180	65.29000
3.001	20.272	1.00000	2.47660	411.71000	.00410	.00160	.08150	1.78970	.64440	65.29000
3.001	22.758	1.00000	2.47710	411.83000	.00430	.00160	.07720	1.72920	.64660	65.30900
3.001	25.347	1.00000	2.47240	411.83000	.00420	.00160	.07220	1.64760	.64900	65.30900
	GRADIENT	.00000	-.00081	.00000	.00013	-.00000	-.00191	.19533	.16896	.00000

AMES 11B-1-87 OA145C 01 (82H018) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-35.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 48/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	.183	1.00000	2.48030	414.25000	.00210	.00140	.13100	-.75010	.76960	65.69300
3.001	2.546	1.00000	2.48640	414.50000	.00260	.00140	.12600	-.31410	.96580	65.73200
3.001	5.026	1.00000	2.48170	414.74000	.00300	.00140	.11950	.19920	.36350	65.77000
3.001	7.610	1.00000	2.48960	415.95000	.00320	.00150	.11230	.75290	.56680	65.96200
3.001	10.092	1.00000	2.47940	416.07000	.00320	.00150	.10780	1.17320	.60070	65.98200
3.001	12.144	1.00000	2.48420	415.95000	.00310	.00150	.10490	1.40420	.61190	65.96200
3.001	14.159	1.00000	2.48620	415.95000	.00340	.00150	.10100	1.56820	.62090	65.96200
3.001	15.197	1.00000	2.48360	415.95000	.00380	.00150	.09870	1.62600	.62450	65.96200
3.001	16.189	1.00000	2.48820	415.95000	.00390	.00150	.09640	1.67160	.62760	65.96200
3.001	18.203	1.00000	2.48250	415.95000	.00390	.00150	.09170	1.72600	.63310	65.96200
3.001	20.276	1.00000	2.48900	416.07000	.00420	.00160	.08780	1.72160	.63700	65.98200
3.001	22.801	1.00000	2.49820	416.19000	.00450	.00160	.08390	1.67210	.64030	66.00100
3.001	25.519	1.00000	2.49390	416.19000	.00440	.00160	.07860	1.59880	.64350	66.00100
	GRADIENT	.00000	.00258	.10578	.00021	.00000	-.00212	.18449	.08302	.01650

AMES 118-1-87 OA145C 01 (B2H019) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 38/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-14.961	1.00000	2.50680	418.79000	.00330	.00150	.09440	1.45210	.63250	66.46600
3.000	-12.946	1.00000	2.50300	418.79000	.00280	.00170	.09400	1.48300	.63680	66.46600
3.000	-9.926	1.00000	2.50400	418.67000	.00280	.00170	.09350	1.51600	.64300	66.44700
3.000	-7.940	1.00000	2.50250	418.67000	.00310	.00170	.09310	1.53740	.64750	66.44700
3.000	-4.945	1.00000	2.49960	418.79000	.00300	.00170	.09290	1.56900	.65430	66.46600
3.000	-3.921	1.00000	2.49630	418.79000	.00290	.00170	.09300	1.58100	.65670	66.46600
3.000	-1.934	1.00000	2.49220	418.67000	.00310	.00170	.09310	1.59900	.66130	66.44700
3.000	.040	1.00000	2.49510	418.55000	.00310	.00170	.09330	1.62020	.66630	66.42800
3.000	2.023	1.00000	2.49780	418.67000	.00330	.00170	.09360	1.63320	.67140	66.44700
3.000	4.024	1.00000	2.49360	418.67000	.00290	.00180	.09470	1.65010	.67670	66.44700
3.000	5.026	1.00000	2.49180	418.67000	.00280	.00180	.09540	1.65660	.67940	66.44700
3.000	8.016	1.00000	2.49070	418.67000	.00300	.00180	.09740	1.67010	.68800	66.44700
3.000	10.024	1.00000	2.48730	418.67000	.00340	.00160	.09920	1.67160	.69380	66.44700
	GRADIENT	.00000	-.00031	-.01620	.00001	.00001	.00017	.00899	.00250	-.00256

AMES 118-1-87 OA145C 01 (82H020) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 32/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
2.493	-14.938	1.00000	2.50820	473.89000	.01460	.00130	.08740	1.80910	.64350	108.97000
2.493	-12.961	1.00000	2.51660	473.89000	.01470	.00140	.08700	1.82320	.64640	108.97000
2.493	-9.941	1.00000	2.51520	473.89000	.01470	.00140	.08610	1.84720	.65090	108.97000
2.493	-7.960	1.00000	2.51740	473.89000	.01500	.00140	.08580	1.85950	.65390	108.97000
2.493	-4.920	1.00000	2.51850	473.89000	.01500	.00150	.08590	1.87690	.65890	108.97000
2.493	-3.946	1.00000	2.51720	473.89000	.01490	.00150	.08620	1.88120	.66070	108.97000
2.493	-1.958	1.00000	2.51610	473.89000	.01500	.00150	.08660	1.88830	.66430	108.97000
2.493	.028	1.00000	2.51430	473.89000	.01520	.00140	.08740	1.89260	.66810	108.97000
2.493	2.008	1.00000	2.51390	473.89000	.01500	.00150	.08850	1.89860	.67220	108.97000
2.493	4.015	1.00000	2.51240	473.89000	.01480	.00150	.08990	1.90130	.67600	108.97000
2.493	5.036	1.00000	2.51130	473.89000	.01490	.00150	.09070	1.90000	.67810	108.97000
2.493	8.028	1.00000	2.51390	473.89000	.01500	.00140	.09400	1.89240	.68440	108.97000
2.493	10.016	1.00000	2.50890	473.89000	.01480	.00140	.09690	1.88440	.68870	108.97000
	GRADIENT	.00000	-.00065	-.00000	-.00001	-.00000	.00043	.00274	.00152	-.00000

RUN NO. 33/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-14.966	1.00000	2.49660	414.30000	.00390	.00150	.08680	1.81240	.64200	65.75400
3.000	-12.964	1.00000	2.49600	414.30000	.00310	.00180	.08680	1.83050	.64440	65.75400
3.000	-9.946	1.00000	2.49150	414.30000	.00290	.00190	.08640	1.85160	.64850	65.75400
3.000	-7.935	1.00000	2.48920	414.30000	.00320	.00180	.08590	1.86470	.65140	65.75400
3.000	-4.933	1.00000	2.48920	414.18000	.00320	.00180	.08590	1.88110	.65600	65.73500
3.000	-3.938	1.00000	2.48240	414.30000	.00310	.00190	.08600	1.88740	.65780	65.75400
3.000	-1.958	1.00000	2.49130	414.30000	.00280	.00190	.08670	1.89530	.66110	65.75400
3.000	.041	1.00000	2.49480	414.18000	.00300	.00190	.08730	1.89930	.66470	65.73500
3.000	2.023	1.00000	2.49620	414.30000	.00340	.00170	.08790	1.90110	.66860	65.75400
3.000	4.001	1.00000	2.49840	414.30000	.00290	.00190	.08940	1.90730	.67270	65.75400
3.000	5.002	1.00000	2.49480	414.18000	.00300	.00190	.08990	1.90830	.67470	65.73500
3.000	8.018	1.00000	2.48810	414.18000	.00290	.00180	.09270	1.90510	.68120	65.73500
3.000	10.026	1.00000	2.48760	414.18000	.00280	.00190	.09540	1.89790	.68570	65.73500
	GRADIENT	.00000	.00146	.00661	-.00000	-.00000	.00037	.00268	.00185	.00105

AMES 118-1-87 OA145C 01 (B2H020) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 84/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.498	-14.935	1.00000	2.48640	361.16000	-.00430	.00170	.08490	1.83870	.64160	42.17400
3.498	-12.951	1.00000	2.47550	361.08000	-.00400	.00170	.08400	1.85340	.64390	42.16500
3.498	-9.941	1.00000	2.47630	361.88000	-.00410	.00170	.08370	1.87300	.64740	42.25800
3.498	-7.942	1.00000	2.47630	362.83000	-.00430	.00170	.08370	1.88540	.64990	42.37000
3.498	-4.943	1.00000	2.47020	362.68000	-.00410	.00170	.08340	1.90250	.65420	42.35100
3.498	-3.932	1.00000	2.46760	362.76000	-.00400	.00170	.08340	1.90850	.65580	42.36000
3.498	-1.925	1.00000	2.47270	362.60000	-.00400	.00170	.08360	1.91560	.65900	42.34200
3.498	.029	1.00000	2.46770	363.23000	-.00400	.00170	.08420	1.92120	.66250	42.41600
3.498	2.043	1.00000	2.46670	363.31000	-.00400	.00170	.08480	1.92760	.66620	42.42600
3.498	4.024	1.00000	2.46300	363.71000	-.00400	.00170	.08570	1.93210	.67040	42.47200
3.498	5.039	1.00000	2.45950	363.95000	-.00400	.00170	.08630	1.93280	.67250	42.50000
3.498	8.028	1.00000	2.47310	365.15000	-.00390	.00170	.08860	1.93140	.67930	42.64000
3.498	10.019	1.00000	2.47420	366.26000	-.00380	.00170	.09070	1.92380	.68420	42.77000
	GRADIENT	.00000	-.00068	.11645	.00001	-.00000	.00026	.00323	.00179	.01374

AMES 118-1-87 OA145C 01 (B2H021) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 37/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-14.945	1.00000	2.50430	418.67000	.00400	.00170	.07930	1.81450	.64810	66.44700
3.000	-12.959	1.00000	2.50220	418.67000	.00390	.00180	.07860	1.82490	.65010	66.44700
3.000	-9.943	1.00000	2.50310	418.67000	.00360	.00180	.07820	1.83780	.65320	66.44700
3.000	-7.937	1.00000	2.49400	418.67000	.00390	.00170	.07780	1.84330	.65540	66.44700
3.000	-4.935	1.00000	2.49420	418.67000	.00410	.00170	.07800	1.84940	.65910	66.44700
3.000	-3.943	1.00000	2.49690	418.67000	.00370	.00190	.07850	1.85160	.66030	66.44700
3.000	-1.942	1.00000	2.49130	418.67000	.00400	.00180	.07890	1.85190	.66300	66.44700
3.000	.015	1.00000	2.49440	418.55000	.00390	.00180	.07980	1.85330	.66600	66.42800
3.000	2.023	1.00000	2.48910	418.67000	.00370	.00180	.08100	1.85270	.66920	66.44700
3.000	4.017	1.00000	2.49110	418.67000	.00380	.00180	.08270	1.84800	.67260	66.44700
3.000	5.011	1.00000	2.49410	418.55000	.00360	.00190	.08370	1.84630	.67450	66.42800
3.000	8.036	1.00000	2.49190	418.55000	.00360	.00180	.08750	1.83280	.68020	66.42800
3.000	10.019	1.00000	2.49480	418.55000	.00380	.00170	.09070	1.81880	.68420	66.42800
	GRADIENT	.00000	-.00057	-.00162	-.00002	.00000	.00050	-.00007	.00151	-.00026

AMES 118-1-87 OA145C 01 (B2H022) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 93/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.247	1.00000	2.48810	427.40000	.00490	.00140	.09830	1.69130	.69880	67.83300
3.000	-4.169	1.00000	2.48790	427.52000	.00490	.00140	.09870	1.67220	.69550	67.85200
3.000	-2.037	1.00000	2.49140	427.52000	.00500	.00130	.09830	1.66450	.69420	67.85200
3.000	-.984	1.00000	2.48790	427.52000	.00490	.00130	.09820	1.66320	.69370	67.85200
3.000	.089	1.00000	2.48960	427.52000	.00490	.00130	.09770	1.66770	.69300	67.85200
3.000	1.131	1.00000	2.48960	427.52000	.00490	.00140	.09790	1.66940	.69380	67.85200
3.000	2.175	1.00000	2.48960	427.52000	.00490	.00140	.09810	1.66630	.69440	67.85200
3.000	3.212	1.00000	2.49220	427.52000	.00490	.00140	.09830	1.66590	.69430	67.85200
3.000	4.242	1.00000	2.48830	427.52000	.00500	.00140	.09840	1.66970	.69550	67.85200
3.000	6.401	1.00000	2.49160	427.52000	.00500	.00140	.09780	1.69630	.69930	67.85200
	GRADIENT	.00000	.00015	.00000	.00000	.00001	-.00003	-.00009	.00003	.00000

AMES 118-1-87 OA145C 01 (B2H023) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 92/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.344	1.00000	2.45400	422.55000	.00480	.00140	.09200	1.92730	.68940	67.06300
3.000	-4.241	1.00000	2.45890	422.55000	.00470	.00140	.09320	1.91210	.68770	67.06300
3.000	-2.096	1.00000	2.45810	422.55000	.00490	.00140	.09400	1.90170	.68630	67.06300
3.000	-1.075	1.00000	2.45080	422.55000	.00490	.00140	.09370	1.90500	.68630	67.06300
3.000	-.013	1.00000	2.45450	422.55000	.00470	.00140	.09400	1.90250	.68560	67.06300
3.000	1.058	1.00000	2.45390	423.04000	.00500	.00140	.09390	1.90140	.68610	67.14000
3.000	2.115	1.00000	2.45990	423.76000	.00510	.00140	.09410	1.89800	.68640	67.25500
3.000	3.164	1.00000	2.46060	424.61000	.00510	.00140	.09380	1.89860	.68670	67.39000
3.000	4.232	1.00000	2.46580	425.46000	.00510	.00140	.09300	1.90870	.68780	67.52500
3.000	6.364	1.00000	2.47090	425.95000	.00510	.00140	.09180	1.92220	.68970	67.60200
	GRADIENT	.00000	.00078	.34561	.00005	.00000	-.00000	-.00075	.00001	.05485

AMES 118-1-87 OA145C 01 (B2H024) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 89/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.371	1.00000	2.46440	422.67000	.00490	.00140	.08660	1.84600	.68640	67.08200
3.000	-4.257	1.00000	2.46840	422.43000	.00470	.00140	.08770	1.83720	.68550	67.04400
3.000	-2.183	1.00000	2.47290	423.28000	.00500	.00140	.08950	1.81870	.68400	67.17800
3.000	-1.117	1.00000	2.46740	422.55000	.00510	.00140	.08950	1.81660	.68400	67.06300
3.000	-.068	1.00000	2.46560	422.55000	.00510	.00140	.08920	1.81610	.68400	67.06300
3.000	1.018	1.00000	2.46650	422.55000	.00520	.00140	.08920	1.81310	.68400	67.06300
3.000	2.096	1.00000	2.46740	422.67000	.00510	.00140	.08910	1.81510	.68410	67.08200
3.000	3.143	1.00000	2.46610	422.55000	.00500	.00140	.08810	1.82300	.68490	67.06300
3.000	4.206	1.00000	2.46630	422.55000	.00520	.00140	.08710	1.82960	.68580	67.06300
3.000	6.332	1.00000	2.46560	422.55000	.00520	.00140	.08590	1.83780	.68680	67.06300
	GRADIENT	.00000	-.00047	-.01942	.00004	.00000	-.00010	-.00066	.00005	-.00305

AMES 118-1-87 OA145C 01 (B2H025) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 94/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.264	1.00000	2.48440	427.40000	.00460	.00130	.09240	1.53320	.64990	67.83300
3.000	-2.042	1.00000	2.48640	427.52000	.00460	.00130	.09260	1.50620	.64380	67.85200
3.000	-.989	1.00000	2.48530	427.52000	.00450	.00130	.09240	1.50470	.64300	67.85200
3.000	.076	1.00000	2.48420	427.40000	.00470	.00130	.09180	1.51060	.64280	67.83300
3.000	1.119	1.00000	2.48290	427.52000	.00450	.00140	.09200	1.51420	.64340	67.85200
3.000	2.171	1.00000	2.48550	427.52000	.00470	.00140	.09230	1.50840	.64390	67.85200
3.000	3.222	1.00000	2.48350	427.52000	.00480	.00140	.09240	1.50840	.64480	67.85200
3.000	4.247	1.00000	2.48390	427.40000	.00490	.00140	.09250	1.50980	.64590	67.83300
3.000	6.400	1.00000	2.48770	427.52000	.00480	.00130	.09190	1.52420	.65040	67.85200
	GRADIENT	.00000	-.00033	-.00815	.00005	.00002	.00001	.00055	.00037	-.00129

AMES 118-1-87 OA145C 01 (B2H026) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 91/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.338	1.00000	2.45720	422.55000	.00430	.00140	.08330	1.88870	.65330	67.06300
3.000	-4.253	1.00000	2.46070	422.55000	.00460	.00140	.08440	1.87010	.65130	67.06300
3.000	-2.141	1.00000	2.46350	422.55000	.00480	.00140	.08530	1.85760	.64960	67.06300
3.000	-1.081	1.00000	2.46240	422.55000	.00470	.00140	.08490	1.86280	.64940	67.06300
3.000	-.004	1.00000	2.46230	422.67000	.00470	.00140	.08530	1.85790	.64870	67.08200
3.000	1.076	1.00000	2.45890	422.43000	.00470	.00140	.08510	1.86110	.64950	67.04400
3.000	2.133	1.00000	2.45440	422.43000	.00480	.00140	.08530	1.85800	.64990	67.04400
3.000	3.210	1.00000	2.45540	422.67000	.00470	.00140	.08530	1.85990	.65040	67.08200
3.000	4.246	1.00000	2.45300	422.67000	.00470	.00140	.08450	1.86880	.65170	67.08200
3.000	6.359	1.00000	2.44880	422.43000	.00450	.00140	.08350	1.88290	.65360	67.04400
	GRADIENT	.00000	-.00118	.00815	.00001	.00000	.00003	-.00024	.00006	.00129

AMES 118-1-87 OA145C 01 (82H027) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 90/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.382	1.00000	2.45850	422.55000	.00470	.00140	.07430	1.86640	.65590	67.06300
3.000	-4.243	1.00000	2.46590	422.67000	.00490	.00140	.07510	1.85790	.65480	67.08200
3.000	-2.178	1.00000	2.46500	422.55000	.00510	.00140	.07680	1.83860	.65310	67.06300
3.000	-1.114	1.00000	2.46330	422.55000	.00520	.00140	.07710	1.83500	.65320	67.06300
3.000	-.055	1.00000	2.46130	422.55000	.00530	.00140	.07680	1.83340	.65320	67.06300
3.000	1.012	1.00000	2.46330	422.67000	.00530	.00140	.07680	1.83120	.65340	67.08200
3.000	2.077	1.00000	2.46430	422.55000	.00500	.00140	.07680	1.83280	.65330	67.06300
3.000	3.150	1.00000	2.46130	422.55000	.00480	.00140	.07570	1.84320	.65420	67.06300
3.000	4.219	1.00000	2.46410	422.55000	.00480	.00140	.07500	1.84980	.65510	67.06300
3.000	6.314	1.00000	2.46020	422.55000	.00470	.00140	.07400	1.85750	.65620	67.06300
	GRADIENT	.00000	-.00029	-.00846	-.00002	.00000	-.00005	-.00072	.00006	-.00134

AMES 11B-1-87 OA145C 01 (B2H028) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 78/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-14.973	1.00000	2.48090	422.73000	.00330	.00150	.09510	1.45010	.63380	67.03800
3.001	-12.961	1.00000	2.48630	422.73000	.00340	.00150	.09450	1.47610	.63800	67.03800
3.001	-9.936	1.00000	2.48470	422.86000	.00380	.00150	.09330	1.51110	.64420	67.05800
3.001	-7.930	1.00000	2.48500	422.73000	.00380	.00150	.09300	1.53560	.64840	67.03800
3.001	-7.332	1.00000	2.47590	422.86000	.00410	.00160	.09210	1.83740	.66380	67.05800
3.001	-5.943	1.00000	2.48440	422.86000	.00380	.00150	.09280	1.55440	.65290	67.05800
3.001	-4.956	1.00000	2.48100	422.61000	.00380	.00150	.09270	1.56880	.65530	67.01900
3.001	-3.936	1.00000	2.48410	422.73000	.00380	.00150	.09280	1.57620	.65750	67.03800
3.001	-1.943	1.00000	2.47630	422.86000	.00390	.00150	.09300	1.59500	.66220	67.05800
3.001	.035	1.00000	2.47910	422.61000	.00390	.00150	.09340	1.61210	.66700	67.01900
3.001	2.036	1.00000	2.47520	422.73000	.00380	.00150	.09400	1.62900	.67190	67.03800
3.001	4.015	1.00000	2.47740	422.73000	.00390	.00150	.09480	1.64450	.67740	67.03800
3.001	5.031	1.00000	2.47820	422.61000	.00390	.00150	.09530	1.65200	.68020	67.01900
3.001	8.029	1.00000	2.47850	422.73000	.00390	.00160	.09750	1.66340	.68860	67.03800
3.001	10.025	1.00000	2.47540	422.73000	.00390	.00160	.09950	1.66780	.69450	67.03800
	GRADIENT	.00000	-.00066	.00416	.00001	-.00000	.00023	.00856	.00245	.00067

AMES 118-1-87 OA145C 01 (B2H029) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = 2.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 79/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-14.950	1.00000	2.48720	422.73000	.00400	-.00150	.08730	1.82140	.64360	67.03800
3.001	-12.951	1.00000	2.48720	422.73000	.00400	.00150	.08680	1.83650	.64600	67.03800
3.001	-9.931	1.00000	2.48240	422.61000	.00400	.00160	.08610	1.85770	.64980	67.01900
3.001	-7.939	1.00000	2.47910	422.73000	.00410	.00160	.08570	1.87140	.65270	67.03800
3.001	-4.941	1.00000	2.48610	422.73000	.00410	.00160	.08570	1.88800	.65720	67.03800
3.001	-3.949	1.00000	2.48060	422.73000	.00410	.00160	.08580	1.89300	.65880	67.03800
3.001	-1.941	1.00000	2.48170	422.61000	.00410	.00160	.08620	1.90060	.66220	67.01900
3.001	-.449	1.00000	2.48020	422.73000	.00420	.00160	.08690	1.90530	.66610	67.03800
3.001	.033	1.00000	2.48660	422.73000	.00410	.00160	.08660	1.90870	.66560	67.03800
3.001	2.041	1.00000	2.48180	422.73000	.00420	.00160	.08750	1.91310	.66950	67.03800
3.001	4.022	1.00000	2.47830	422.73000	.00430	.00160	.08870	1.91270	.67340	67.03800
3.001	5.021	1.00000	2.48020	422.61000	.00420	.00160	.08950	1.91270	.67550	67.01900
3.001	8.020	1.00000	2.47830	422.73000	.00420	.00160	.09240	1.90780	.68190	67.03800
3.001	10.010	1.00000	2.47480	422.73000	.00420	.00160	.09500	1.89800	.68650	67.03800
	GRADIENT	.00000	-.00045	.00238	.00002	-.00000	.00032	.00293	.00181	.00038

AMES 118-1-87 OA145C 01 (82H030) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN; XO
LREF = 474.8100 INCHES YMRP = .0000 IN; YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN; ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = 2.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 80/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-14.966	1.00000	2.47500	422.73000	.00410	.00160	.07950	1.81780	.64830	67.03800
3.001	-12.971	1.00000	2.47020	422.73000	.00410	.00160	.07890	1.82790	.65020	67.03800
3.001	-9.934	1.00000	2.47730	422.61000	.00410	.00160	.07820	1.84030	.65320	67.01900
3.001	-7.935	1.00000	2.47090	422.73000	.00410	.00160	.07790	1.84790	.65540	67.03800
3.001	-4.951	1.00000	2.47330	422.86000	.00410	.00160	.07800	1.85570	.65900	67.05800
3.001	-3.938	1.00000	2.47770	422.61000	.00410	.00160	.07830	1.85660	.66040	67.01900
3.001	-1.939	1.00000	2.47410	422.73000	.00420	.00150	.07890	1.85790	.66330	67.03800
3.001	.043	1.00000	2.46950	422.49000	.00430	.00150	.07980	1.85710	.66610	67.00000
3.001	2.038	1.00000	2.47610	422.73000	.00440	.00160	.08080	1.85650	.66940	67.03800
3.001	4.011	1.00000	2.47210	422.73000	.00420	.00160	.08260	1.85180	.67280	67.03800
3.001	5.031	1.00000	2.47040	422.61000	.00420	.00160	.08360	1.84920	.67460	67.01900
3.001	8.007	1.00000	2.47300	422.73000	.00410	.00160	.08750	1.83600	.68030	67.03800
3.001	10.028	1.00000	2.47740	422.73000	.00420	.00160	.09060	1.82310	.68430	67.03800
	GRADIENT	.00000	-.00026	-.00602	.00002	.00000	.00049	-.00034	.00153	-.00091

AMES 118-1-87 OA145C 01 (B2H031) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 64/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-4.972	1.00000	2.47880	417.52000	.00340	.00150	.09350	1.61200	.66690	66.21200
3.001	-2.991	1.00000	2.48180	418.25000	.00340	.00150	.09310	1.61490	.66620	66.32700
3.001	-1.978	1.00000	2.47880	417.89000	.00350	.00150	.09280	1.61900	.66630	66.27000
3.001	-.979	1.00000	2.48310	418.13000	.00340	.00150	.09280	1.61950	.66610	66.30800
3.001	-.000	1.00000	2.47910	418.01000	.00340	.00150	.09290	1.61820	.66620	66.28900
3.001	.984	1.00000	2.48170	418.01000	.00340	.00150	.09290	1.61970	.66630	66.28900
3.001	1.988	1.00000	2.47730	418.13000	.00350	.00150	.09290	1.61690	.66630	66.30800
3.001	2.976	1.00000	2.47510	418.01000	.00340	.00150	.09300	1.61740	.66640	66.28900
3.001	4.982	1.00000	2.47910	418.13000	.00340	.00150	.09350	1.61210	.66720	66.30800
3.001	7.979	1.00000	2.47650	418.13000	.00340	.00150	.09480	1.60270	.66890	66.30800
3.001	9.981	1.00000	2.47540	418.13000	.00330	.00150	.09590	1.59340	.67030	66.30800
	GRADIENT	.00000	-.00030	.03468	.00000	.00000	-.00000	.00005	.00003	.00545

AMES 118-1-87 OA145C 01 (B2H032) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 34/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-4.978	1.00000	2.48630	414.18000	.00330	.00170	.08780	1.89310	.66570	65.73500
3.000	-2.983	1.00000	2.48600	414.18000	.00310	.00180	.08730	1.90000	.66490	65.73500
3.000	-1.973	1.00000	2.48690	414.18000	.00290	.00190	.08720	1.90190	.66490	65.73500
3.000	-.979	1.00000	2.48240	414.06000	.00300	.00190	.08720	1.90070	.66490	65.71600
3.000	-.006	1.00000	2.48070	414.18000	.00310	.00180	.08710	1.90070	.66470	65.73500
3.000	.977	1.00000	2.48550	414.06000	.00280	.00190	.08740	1.90170	.66480	65.71600
3.000	1.993	1.00000	2.48690	414.06000	.00290	.00190	.08750	1.90030	.66490	65.71600
3.000	2.983	1.00000	2.48380	414.06000	.00320	.00180	.08760	1.89730	.66520	65.71600
3.000	4.968	1.00000	2.47980	414.18000	.00290	.00180	.08830	1.89400	.66570	65.73500
3.000	7.972	1.00000	2.48220	414.06000	.00280	.00180	.08980	1.88410	.66720	65.71600
3.000	9.980	1.00000	2.48220	414.06000	.00260	.00190	.09130	1.87280	.66840	65.71600
	GRADIENT	.00000	-.00048	-.00775	-.00002	.00001	.00005	-.00007	.00001	-.00123

AMES 118-1-87 OA145C 01 (82H032) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 176/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.496	-4.982	1.00000	2.45790	360.95000	-.00510	.00190	.08550	1.92260	.66420	42.17700
3.496	-2.985	1.00000	2.45230	361.11000	-.00520	.00190	.08510	1.92620	.66350	42.19500
3.496	-1.973	1.00000	2.45320	360.95000	-.00510	.00190	.08480	1.92850	.66330	42.17700
3.496	-.986	1.00000	2.45350	361.03000	-.00510	.00190	.08480	1.92940	.66330	42.18600
3.496	.005	1.00000	2.46160	361.27000	-.00510	.00190	.08470	1.92960	.66320	42.21400
3.496	.984	1.00000	2.45880	360.95000	-.00510	.00190	.08470	1.93030	.66320	42.17700
3.496	1.991	1.00000	2.45820	361.03000	-.00510	.00190	.08480	1.92890	.66340	42.18600
3.496	2.977	1.00000	2.45970	361.19000	-.00510	.00190	.08500	1.92650	.66360	42.20500
3.496	4.969	1.00000	2.45830	360.95000	-.00520	.00190	.08560	1.92240	.66420	42.17700
3.496	7.983	1.00000	2.45880	360.95000	-.00520	.00190	.08680	1.91310	.66610	42.17700
3.496	9.997	1.00000	2.45980	361.03000	-.00520	.00190	.08810	1.90080	.66760	42.18600
	GRADIENT	.00000	.00051	.00414	-.00000	.00000	.00000	.00002	.00000	.00050

AMES 118-1-87 OA145C 01 (82H033) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 71/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-4.990	1.00000	2.48030	418.25000	.00430	.00160	.08040	1.84790	.66700	66.32700
3.001	-2.991	1.00000	2.48360	418.25000	.00430	.00160	.07970	1.85190	.66640	66.32700
3.001	-1.973	1.00000	2.48010	418.25000	.00430	.00160	.07950	1.85310	.66620	66.32700
3.001	-.978	1.00000	2.47650	418.13000	.00430	.00160	.07930	1.85420	.66610	66.30800
3.001	-.002	1.00000	2.47460	418.37000	.00430	.00160	.07930	1.85410	.66610	66.34700
3.001	.979	1.00000	2.47530	418.37000	.00430	.00160	.07950	1.85360	.66620	66.34700
3.001	1.994	1.00000	2.47570	418.25000	.00430	.00160	.07960	1.85260	.66620	66.32700
3.001	2.968	1.00000	2.47630	418.25000	.00430	.00160	.07990	1.85110	.66640	66.32700
3.001	4.975	1.00000	2.47700	418.25000	.00410	.00160	.08100	1.84590	.66700	66.32700
3.001	7.987	1.00000	2.47570	418.25000	.00410	.00160	.08290	1.83520	.66830	66.32700
3.001	9.992	1.00000	2.47040	418.25000	.00410	.00160	.08460	1.82490	.66950	66.32700
	GRADIENT	.00000	-.00062	.00304	-.00001	-.00000	.00005	-.00018	.00000	.00049

AMES 11B-1-87 OA145C 01 (82H034) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 67/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	.287	1.00000	2.50080	418.49000	.00310	.00150	.11100	-.32830	.59650	66.38600
3.001	1.922	1.00000	2.50130	418.62000	.00330	.00150	.10900	.01370	1.04860	66.38500
3.001	3.966	1.00000	2.49630	418.37000	.00350	.00150	.10580	.45250	.68850	66.34700
3.001	5.958	1.00000	2.50020	418.62000	.00370	.00150	.10080	.90030	.67610	66.38500
3.001	7.984	1.00000	2.49490	418.37000	.00370	.00150	.09710	1.29400	.66970	66.34700
3.001	10.046	1.00000	2.49240	418.62000	.00370	.00150	.09350	1.59790	.66740	66.38500
3.001	12.130	1.00000	2.49670	418.37000	.00370	.00160	.09090	1.77980	.66640	66.34700
3.001	14.136	1.00000	2.49430	418.49000	.00400	.00160	.08850	1.87060	.66620	66.36600
3.001	15.194	1.00000	2.49630	418.49000	.00390	.00160	.08720	1.89320	.66580	66.36600
3.001	16.110	1.00000	2.49630	418.37000	.00410	.00160	.08600	1.90270	.66600	66.34700
3.001	18.189	1.00000	2.49360	418.49000	.00430	.00160	.08330	1.89010	.66640	66.36600
3.001	20.246	1.00000	2.48940	418.49000	.00440	.00160	.08060	1.84520	.66700	66.36600
3.001	22.223	1.00000	2.48850	418.25000	.00460	.00160	.07790	1.78240	.66750	66.32700
3.001	26.317	1.00000	2.48790	418.49000	.00440	.00160	.07210	1.62770	.66870	66.36600
3.001	29.822	1.00000	2.48430	418.37000	.00400	.00160	.06730	1.48410	.66940	66.34700
	GRADIENT	.00000	-.00127	-.03631	.00011	.00000	-.00142	.21235	.01674	-.00572

AMES 118-1-87 OA145C 01 (82H035) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 77/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-14.952	1.00000	2.46180	418.13000	.00320	.00160	.09540	1.44000	.63290	66.30800
3.001	-12.949	1.00000	2.45880	418.13000	.00330	.00150	.09440	1.46810	.63730	66.30800
3.001	-9.948	1.00000	2.46030	418.13000	.00320	.00160	.09370	1.50410	.64360	66.30800
3.001	-7.964	1.00000	2.44990	418.01000	.00330	.00150	.09340	1.52660	.64790	66.28900
3.001	-4.948	1.00000	2.45790	418.13000	.00340	.00160	.09320	1.55840	.65500	66.30800
3.001	-3.966	1.00000	2.45280	418.13000	.00350	.00150	.09310	1.56900	.65720	66.30800
3.001	-1.967	1.00000	2.45750	418.13000	.00360	.00160	.09330	1.58760	.66220	66.30800
3.001	.026	1.00000	2.45690	418.13000	.00360	.00150	.09360	1.60630	.66720	66.30800
3.001	2.035	1.00000	2.45580	418.13000	.00360	.00150	.09440	1.61980	.67240	66.30800
3.001	4.045	1.00000	2.45620	418.13000	.00360	.00150	.09540	1.63250	.67800	66.30800
3.001	5.018	1.00000	2.45810	418.13000	.00350	.00150	.09600	1.63750	.68060	66.30800
3.001	8.016	1.00000	2.45210	418.13000	.00350	.00160	.09860	1.64840	.68940	66.30800
3.001	10.017	1.00000	2.45000	418.13000	.00340	.00160	.10070	1.65210	.69540	66.30800
	GRADIENT	.00000	.00003	-.00000	.00002	-.00001	.00024	.00829	.00255	.00000

AMES 118-1-87 OA145C 01 (B2H036) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 76/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-14.960	1.00000	2.45800	418.25000	.00330	.00160	.08750	1.81750	.64310	66.32700
3.001	-12.942	1.00000	2.45710	418.13000	.00340	.00160	.08710	1.83230	.64570	66.30800
3.001	-9.953	1.00000	2.46290	418.13000	.00370	.00160	.08630	1.85010	.64950	66.30800
3.001	-7.970	1.00000	2.46800	418.25000	.00380	.00160	.08600	1.86220	.65230	66.32700
3.001	-4.968	1.00000	2.46670	418.25000	.00380	.00160	.08610	1.87890	.65690	66.32700
3.001	-3.964	1.00000	2.46340	418.25000	.00380	.00160	.08630	1.88340	.65860	66.32700
3.001	-1.972	1.00000	2.46750	418.13000	.00370	.00160	.08670	1.89150	.66220	66.30800
3.001	.037	1.00000	2.46580	418.13000	.00370	.00160	.08750	1.89550	.66570	66.30800
3.001	2.032	1.00000	2.45950	418.13000	.00360	.00160	.08850	1.89960	.66950	66.30800
3.001	4.027	1.00000	2.46380	418.13000	.00360	.00160	.09010	1.89850	.67350	66.30800
3.001	5.009	1.00000	2.46770	418.13000	.00360	.00160	.09090	1.89750	.67560	66.30800
3.001	8.025	1.00000	2.46580	418.13000	.00350	.00160	.09400	1.89260	.68220	66.30800
3.001	10.015	1.00000	2.45600	418.13000	.00350	.00160	.09680	1.88080	.68700	66.30800
	GRADIENT	.00000	-.00042	-.01447	-.00002	.00000	.00043	.00227	.00184	-.00229

AMES 118-1-87 OA145C 01 (B2H037) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 75/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-14.950	1.00000	2.46450	418.13000	.00430	.00160	.07960	1.81170	.64880	66.30800
3.001	-12.929	1.00000	2.46970	418.13000	.00420	.00160	.07910	1.82040	.65080	66.30800
3.001	-9.960	1.00000	2.46840	418.13000	.00420	.00160	.07860	1.83110	.65370	66.30800
3.001	-7.960	1.00000	2.46650	418.25000	.00420	.00160	.07860	1.83630	.65610	66.32700
3.001	-4.944	1.00000	2.46630	418.25000	.00430	.00160	.07870	1.84350	.65980	66.32700
3.001	-3.971	1.00000	2.46450	418.25000	.00430	.00160	.07890	1.84480	.66120	66.32700
3.001	-1.954	1.00000	2.46530	418.13000	.00420	.00160	.07980	1.84560	.66400	66.30800
3.001	.024	1.00000	2.46540	418.25000	.00410	.00160	.08090	1.84440	.66700	66.32700
3.001	2.037	1.00000	2.46280	418.25000	.00410	.00160	.08230	1.84140	.67020	66.32700
3.001	4.038	1.00000	2.45820	418.25000	.00410	.00160	.08420	1.83640	.67360	66.32700
3.001	5.015	1.00000	2.46060	418.25000	.00420	.00160	.08510	1.83360	.67530	66.32700
3.001	10.010	1.00000	2.45710	418.13000	.00380	.00160	.09270	1.80670	.68490	66.30800
	GRADIENT	.00000	-.00071	.00229	-.00003	-.00000	.00060	-.00076	.00153	.00036

AMES 118-1-87 OA145C 01 (B2H038) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 65/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-5.001	1.00000	2.47770	418.01000	.00330	.00150	.09340	1.51010	.64340	66.28900
3.001	-3.005	1.00000	2.47530	418.01000	.00330	.00150	.09290	1.51760	.64300	66.28900
3.001	-1.996	1.00000	2.47490	418.01000	.00330	.00150	.09280	1.51920	.64270	66.28900
3.001	-.984	1.00000	2.47730	418.13000	.00330	.00150	.09260	1.52130	.64270	66.30800
3.001	-.107	1.00000	2.47340	418.01000	.00320	.00150	.09270	1.51900	.64240	66.28900
3.001	.971	1.00000	2.47310	418.01000	.00320	.00150	.09290	1.51780	.64250	66.28900
3.001	2.004	1.00000	2.47140	418.01000	.00320	.00150	.09300	1.51540	.64280	66.28900
3.001	3.009	1.00000	2.47410	418.13000	.00320	.00150	.09310	1.51500	.64290	66.30800
3.001	5.010	1.00000	2.46590	418.01000	.00310	.00150	.09330	1.51330	.64340	66.28900
3.001	8.004	1.00000	2.47660	418.01000	.00320	.00150	.09430	1.50360	.64490	66.28900
3.001	10.001	1.00000	2.47100	418.01000	.00310	.00150	.09500	1.49670	.64570	66.28900
	GRADIENT	.00000	-.00052	.00881	-.00002	-.00000	.00005	-.00068	-.00001	.00139

AMES 118-1-87 OA145C 01 (82H039) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 61/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-5.001	1.00000	2.47270	417.65000	.00360	.00150	.08600	1.85000	.64910	66.23100
3.001	-3.008	1.00000	2.48270	417.77000	.00360	.00150	.08570	1.85260	.64880	66.25100
3.001	-2.188	1.00000	2.48130	417.52000	.00390	.00150	.08520	1.85570	.64890	66.21200
3.001	-.994	1.00000	2.48240	417.65000	.00390	.00150	.08490	1.85780	.64850	66.23100
3.001	-.108	1.00000	2.48330	417.65000	.00390	.00160	.08520	1.85500	.64840	66.23100
3.001	.941	1.00000	2.48660	417.65000	.00380	.00160	.08530	1.85430	.64840	66.23100
3.001	2.006	1.00000	2.48310	417.65000	.00380	.00160	.08540	1.85390	.64860	66.23100
3.001	3.002	1.00000	2.48460	417.65000	.00380	.00160	.08560	1.85320	.64880	66.23100
3.001	5.011	1.00000	2.48460	417.52000	.00380	.00160	.08600	1.85040	.64930	66.21200
3.001	8.009	1.00000	2.48080	417.52000	.00370	.00160	.08670	1.84810	.65050	66.21200
3.001	10.003	1.00000	2.48440	417.65000	.00360	.00160	.08750	1.84410	.65150	66.23100
	GRADIENT	.00000	.00048	-.00268	.00001	.00002	.00002	-.00019	-.00002	-.00065

AMES 118-1-87 OA145C 01 (82H040) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 70/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-4.993	1.00000	2.46720	418.25000	.00440	.00160	.07840	1.83190	.65380	66.32700
3.001	-3.004	1.00000	2.46560	418.25000	.00440	.00160	.07790	1.83590	.65350	66.32700
3.001	-2.000	1.00000	2.47170	418.25000	.00440	.00160	.07770	1.83680	.65330	66.32700
3.001	-.987	1.00000	2.47090	418.25000	.00440	.00160	.07770	1.83710	.65330	66.32700
3.001	.011	1.00000	2.47110	418.25000	.00440	.00160	.07760	1.83810	.65330	66.32700
3.001	1.000	1.00000	2.47700	418.25000	.00430	.00160	.07780	1.83710	.65320	66.32700
3.001	1.991	1.00000	2.47660	418.37000	.00440	.00160	.07780	1.83660	.65330	66.34700
3.001	3.007	1.00000	2.48180	418.25000	.00440	.00160	.07800	1.83580	.65350	66.32700
3.001	5.012	1.00000	2.47520	418.25000	.00430	.00160	.07850	1.83220	.65380	66.32700
3.001	7.996	1.00000	2.48590	418.37000	.00430	.00160	.07970	1.82510	.65470	66.34700
3.001	9.994	1.00000	2.48160	418.25000	.00430	.00160	.08060	1.82000	.65560	66.32700
	GRADIENT	.00000	.00185	-.00629	-.00000	.00000	-.00004	.00041	-.00004	.00105

AMES 118-1-87 OA145C 01 (B2H041) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	5.000	BOFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 66/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	.250	1.00000	2.48430	418.01000	.00260	.00150	.11320	-.48990	.70150	66.28900
3.001	1.917	1.00000	2.48240	418.01000	.00280	.00150	.11080	-.14470	.87510	66.28900
3.001	3.967	1.00000	2.47490	418.01000	.00300	.00150	.10720	.29220	.58290	66.28900
3.001	5.976	1.00000	2.47960	417.89000	.00320	.00150	.10110	.75250	.62860	66.27000
3.001	7.981	1.00000	2.52020	418.86000	.00340	.00150	.09720	1.16770	.63890	66.42300
3.001	10.080	1.00000	2.53020	418.74000	.00330	.00150	.09330	1.49930	.64350	66.40400
3.001	12.120	1.00000	2.52470	418.74000	.00340	.00150	.09010	1.70650	.64660	66.40400
3.001	14.150	1.00000	2.52780	418.62000	.00370	.00160	.08730	1.81930	.64890	66.38500
3.001	15.167	1.00000	2.52600	418.62000	.00380	.00160	.08610	1.84690	.64960	66.38500
3.001	16.162	1.00000	2.52650	418.74000	.00390	.00160	.08450	1.86740	.65070	66.40400
3.001	18.204	1.00000	2.52490	418.62000	.00400	.00160	.08160	1.86780	.65230	66.38500
3.001	20.230	1.00000	2.52340	418.74000	.00430	.00160	.07840	1.83250	.65380	66.40400
3.001	22.230	1.00000	2.52420	418.62000	.00450	.00160	.07520	1.77700	.65500	66.38500
3.001	26.327	1.00000	2.52070	418.74000	.00420	.00160	.06820	1.63140	.65750	66.40400
3.001	29.821	1.00000	2.51600	418.49000	.00410	.00150	.06240	1.49060	.65850	66.36600
	GRADIENT	.00000	-.00257	.00000	.00011	.00000	-.00162	.21052	-.03609	-.00000

AMES 118-1-87 OA145C 01 (B2H042) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 63/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-5.009	1.00000	2.46790	417.52000	.00350	.00150	.10000	1.66480	.69490	66.21200
3.001	-3.512	1.00000	2.47440	417.52000	.00350	.00150	.10000	1.66730	.69560	66.21200
3.001	-2.007	1.00000	2.46910	417.40000	.00350	.00150	.09910	1.67240	.69380	66.19300
3.001	-1.007	1.00000	2.47030	417.52000	.00350	.00150	.09870	1.67580	.69360	66.21200
3.001	-.007	1.00000	2.47380	417.65000	.00350	.00150	.09880	1.67580	.69360	66.23100
3.001	.990	1.00000	2.47280	417.40000	.00350	.00150	.09880	1.67490	.69370	66.19300
3.001	1.987	1.00000	2.48310	417.65000	.00350	.00150	.09910	1.67210	.69380	66.23100
3.001	2.987	1.00000	2.47990	417.40000	.00350	.00150	.09950	1.66810	.69430	66.19300
3.001	4.992	1.00000	2.48260	417.65000	.00350	.00150	.10020	1.66140	.69510	66.23100
3.001	7.734	1.00000	2.48320	417.52000	.00350	.00150	.10170	1.64200	.69600	66.21200
3.001	9.985	1.00000	2.48860	417.65000	.00360	.00150	.10470	1.62250	.69970	66.23100
	GRADIENT	.00000	.00152	.01217	.00000	.00000	.00005	-.00084	.00000	.00177

AMES 118-1-87 OA145C 01 (B2H043) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 62/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-5.017	1.00000	2.48020	417.52000	.00380	.00150	.09610	1.88340	.68690	66.21200
3.001	-3.522	1.00000	2.47950	417.65000	.00380	.00150	.09570	1.88880	.68740	66.23100
3.001	-2.013	1.00000	2.47990	417.52000	.00380	.00150	.09460	1.89630	.68590	66.21200
3.001	-1.005	1.00000	2.47230	417.65000	.00380	.00150	.09440	1.89840	.68580	66.23100
3.001	-.005	1.00000	2.48260	417.65000	.00370	.00160	.09450	1.89830	.68570	66.23100
3.001	.998	1.00000	2.47700	417.52000	.00370	.00160	.09460	1.89620	.68580	66.21200
3.001	1.990	1.00000	2.47870	417.65000	.00360	.00160	.09480	1.89650	.68580	66.23100
3.001	2.981	1.00000	2.47820	417.52000	.00350	.00160	.09520	1.89350	.68620	66.21200
3.001	4.991	1.00000	2.47570	417.52000	.00360	.00160	.09640	1.88230	.68700	66.21200
3.001	7.739	1.00000	2.47470	417.52000	.00350	.00150	.09860	1.86430	.68750	66.21200
3.001	9.985	1.00000	2.47660	417.52000	.00360	.00160	.10200	1.84080	.69030	66.21200
	GRADIENT	.00000	-.00026	-.01148	-.00004	.00002	.00010	-.00079	-.00001	-.00168

AMES 118-1-87 OA145C 01 (B2H044) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = 10.000 BDFLAP = .000
SPOBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 72/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-5.002	1.00000	2.46450	418.25000	.00400	.00160	.09200	1.81030	.68510	66.32700
3.001	-3.522	1.00000	2.46650	418.25000	.00410	.00160	.09190	1.81300	.68550	66.32700
3.001	-2.007	1.00000	2.46260	418.25000	.00410	.00160	.09050	1.81970	.68440	66.32700
3.001	-1.005	1.00000	2.47000	418.25000	.00400	.00160	.09030	1.82100	.68430	66.32700
3.001	-.000	1.00000	2.46740	418.25000	.00410	.00160	.09030	1.82110	.68430	66.32700
3.001	.991	1.00000	2.46760	418.25000	.00410	.00160	.09030	1.82090	.68420	66.32700
3.001	1.988	1.00000	2.46540	418.25000	.00400	.00160	.09060	1.81930	.68430	66.32700
3.001	2.991	1.00000	2.46660	418.13000	.00390	.00160	.09120	1.81670	.68440	66.30800
3.001	5.006	1.00000	2.45840	418.13000	.00410	.00160	.09240	1.80930	.68500	66.30800
3.001	7.739	1.00000	2.46610	418.25000	.00410	.00160	.09470	1.79500	.68560	66.32700
3.001	9.978	1.00000	2.46630	418.25000	.00410	.00160	.09890	1.77290	.68770	66.32700
	GRADIENT	.00000	.00011	-.01178	-.00002	.00000	-.00008	.00042	-.00013	-.00187

AMES 118-1-87 OA145C 01 (82H045) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	5.000	BDFLAP =	.000
SPOBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 68/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	.259	1.00000	2.48030	418.25000	.00320	.00150	.11430	-.15180	.20410	66.32700
3.001	1.945	1.00000	2.48410	418.49000	.00330	.00150	.11280	.19890	.94830	66.36600
3.001	3.968	1.00000	2.48280	418.49000	.00350	.00150	.11030	.61650	.75640	66.36600
3.001	5.994	1.00000	2.48850	418.25000	.00360	.00150	.10590	1.04140	.72010	66.32700
3.001	7.999	1.00000	2.48790	418.49000	.00370	.00150	.10300	1.38630	.70360	66.36600
3.001	10.074	1.00000	2.48810	418.37000	.00370	.00150	.10030	1.64860	.69550	66.34700
3.001	12.152	1.00000	2.49160	418.37000	.00380	.00150	.09860	1.79880	.69090	66.34700
3.001	14.142	1.00000	2.49180	418.37000	.00390	.00160	.09700	1.86670	.68840	66.34700
3.001	15.204	1.00000	2.48980	418.37000	.00360	.00160	.09650	1.87920	.68710	66.34700
3.001	16.158	1.00000	2.48470	418.25000	.00370	.00160	.09570	1.88300	.68650	66.32700
3.001	18.169	1.00000	2.49140	418.37000	.00380	.00160	.09410	1.85960	.68570	66.34700
3.001	20.233	1.00000	2.49290	418.37000	.00410	.00160	.09250	1.80750	.68500	66.34700
3.001	22.223	1.00000	2.49040	418.25000	.00430	.00160	.09110	1.73990	.68470	66.32700
3.001	26.362	1.00000	2.49160	418.37000	.00430	.00160	.08790	1.58130	.68460	66.34700
3.001	29.823	1.00000	2.48960	418.37000	.00400	.00150	.08540	1.44150	.68430	66.34700
	GRADIENT	.00000	.00063	.06259	.00008	.00000	-.00108	.20714	.14090	.01017

AMES 118-1-87 OA145C 01 (B2H046) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 69/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-6.339	1.00000	2.48470	418.25000	.00360	.00160	.08580	1.93560	.67100	66.32700
3.001	-4.245	1.00000	2.48150	418.49000	.00380	.00160	.08730	1.91570	.66880	66.36600
3.001	-3.171	1.00000	2.48180	418.25000	.00380	.00160	.08800	1.90450	.66730	66.32700
3.001	-2.129	1.00000	2.48050	418.37000	.00400	.00160	.08800	1.90250	.66690	66.34700
3.001	-1.057	1.00000	2.48250	418.37000	.00380	.00150	.08750	1.90850	.66670	66.34700
3.001	-.015	1.00000	2.47700	418.25000	.00370	.00160	.08800	1.90220	.66570	66.32700
3.001	1.062	1.00000	2.47870	418.25000	.00380	.00160	.08790	1.90310	.66600	66.32700
3.001	2.108	1.00000	2.47770	418.37000	.00400	.00160	.08800	1.89910	.66610	66.34700
3.001	3.185	1.00000	2.47870	418.25000	.00380	.00160	.08780	1.90280	.66650	66.32700
3.001	4.224	1.00000	2.48160	418.25000	.00370	.00160	.08730	1.91010	.66760	66.32700
3.001	6.343	1.00000	2.47880	418.37000	.00380	.00150	.08580	1.92410	.66900	66.34700
	GRADIENT	.00000	-.00029	-.01703	-.00001	.00000	-.00000	-.00063	-.00015	-.00277

AMES 118-1-87 OA145C 01 (B2H047) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	-5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 179/ 0 RN/L = 2.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.496	4.752	1.00000	2.43540	360.87000	-.00550	.00190	.09900	.63120	.69640	42.16700
3.496	7.294	1.00000	2.43260	361.11000	-.00530	.00190	.09410	1.20160	.67570	42.19500
3.496	9.781	1.00000	2.43160	360.79000	-.00540	.00190	.09110	1.59170	.66850	42.15800
3.496	11.835	1.00000	2.43680	361.11000	-.00530	.00190	.08880	1.79270	.66580	42.19500
3.496	13.837	1.00000	2.43790	360.79000	-.00520	.00190	.08630	1.90070	.66470	42.15800
3.496	14.874	1.00000	2.43620	361.03000	-.00520	.00190	.08520	1.92620	.66420	42.18600
3.496	15.854	1.00000	2.43330	360.95000	-.00520	.00200	.08420	1.93680	.66420	42.17700
3.496	17.882	1.00000	2.43570	360.95000	-.00510	.00200	.08200	1.92580	.66380	42.17700
3.496	19.921	1.00000	2.43620	360.87000	-.00500	.00200	.08020	1.88040	.66370	42.16700
3.496	22.411	1.00000	2.43050	361.03000	-.00490	.00200	.07730	1.80030	.66380	42.18600
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (B2H048) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 49/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-9.476	1.00000	2.49190	416.07000	.00360	.00150	.09450	1.58710	.66200	65.98200
3.001	-4.926	1.00000	2.48920	416.07000	.00360	.00150	.09320	1.60980	.66450	65.98200
3.001	-2.417	1.00000	2.49190	416.07000	.00360	.00150	.09270	1.61500	.66530	65.98200
3.001	.036	1.00000	2.49210	416.07000	.00360	.00150	.09260	1.61690	.66550	65.98200
3.001	2.504	1.00000	2.48360	416.07000	.00360	.00150	.09290	1.61320	.66550	65.98200
3.001	4.998	1.00000	2.49140	416.07000	.00360	.00150	.09330	1.60790	.66490	65.98200
3.001	10.010	1.00000	2.49090	416.95000	.00360	.00150	.09470	1.58460	.66210	65.96200
	GRADIENT	.00000	-.00016	-.00000	.00000	.00000	.00002	-.00023	.00004	-.00000

AMES 118-1-87 OA145C 01 (B2H049) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 36/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-22.746	1.00000	2.49480	418.55000	.00330	.00180	.09490	1.80280	.65490	66.42800
3.000	-17.917	1.00000	2.49570	418.55000	.00310	.00180	.09260	1.83330	.65810	66.42800
3.000	-14.947	1.00000	2.49530	418.67000	.00350	.00170	.09070	1.85070	.65990	66.44700
3.000	-9.485	1.00000	2.49330	418.67000	.00310	.00180	.08860	1.88140	.66290	66.44700
3.000	-4.946	1.00000	2.49490	418.67000	.00290	.00190	.08780	1.89470	.66430	66.44700
3.000	-2.447	1.00000	2.49470	418.67000	.00340	.00170	.08700	1.89750	.66460	66.44700
3.000	.036	1.00000	2.49710	418.67000	.00320	.00180	.08700	1.90110	.66480	66.44700
3.000	2.504	1.00000	2.50470	418.67000	.00300	.00190	.08740	1.90010	.66480	66.44700
3.000	4.978	1.00000	2.50020	418.67000	.00320	.00180	.08760	1.89610	.66430	66.44700
3.000	10.031	1.00000	2.50450	418.67000	.00330	.00180	.08890	1.87960	.66290	66.44700
3.000	15.017	1.00000	2.50530	418.55000	.00310	.00180	.09130	1.85160	.66010	66.42800
3.000	22.811	1.00000	2.50450	418.67000	.00310	.00180	.09510	1.80540	.65490	66.44700
	GRADIENT	.00000	.00083	.00000	.00001	-.00000	-.00000	.00022	.00001	.00000

AMES 118-1-87 OA145C 01 (B2H049) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 178/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.496	-22.746	1.00000	2.44840	361.11000	-.00520	.00190	.09220	1.82240	.65260	42.19500
3.496	-17.927	1.00000	2.45390	360.95000	-.00520	.00190	.08970	1.85570	.65590	42.17700
3.496	-14.968	1.00000	2.44500	361.03000	-.00520	.00190	.08840	1.87470	.65790	42.18600
3.496	-9.494	1.00000	2.44260	361.11000	-.00520	.00190	.08640	1.90560	.66100	42.19500
3.496	-4.916	1.00000	2.44620	360.95000	-.00520	.00190	.08530	1.92230	.66260	42.17700
3.496	-2.537	1.00000	2.44290	361.11000	-.00520	.00190	.08490	1.92790	.66310	42.19500
3.496	.053	1.00000	2.43980	360.79000	-.00520	.00190	.08480	1.93000	.66330	42.15800
3.496	2.534	1.00000	2.44180	361.11000	-.00510	.00200	.08490	1.92760	.66310	42.19500
3.496	5.038	1.00000	2.44060	360.87000	-.00510	.00190	.08530	1.92180	.66280	42.16700
3.496	9.999	1.00000	2.44160	361.11000	-.00520	.00190	.08650	1.90490	.66120	42.19500
3.496	15.038	1.00000	2.44540	361.03000	-.00520	.00190	.08840	1.87570	.65810	42.18600
	GRADIENT	.00000	-.00065	.00596	.00001	.00001	-.00005	.00072	.00007	.00063

AMES 118-1-87 OA145C 01 (B2H050) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 50/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-9.485	1.00000	2.48510	415.95000	.00420	.00160	.08080	1.84070	.66450	65.96200
3.001	-4.936	1.00000	2.48610	416.07000	.00430	.00160	.07980	1.84860	.66550	65.98200
3.001	-2.427	1.00000	2.48070	415.95000	.00440	.00160	.07950	1.85080	.66580	65.96200
3.001	-.021	1.00000	2.48730	415.95000	.00440	.00160	.07940	1.85200	.66590	65.96200
3.001	2.504	1.00000	2.48530	415.95000	.00430	.00160	.07970	1.85080	.66580	65.96200
3.001	4.998	1.00000	2.48470	416.07000	.00430	.00160	.08000	1.84810	.66550	65.98200
3.001	10.031	1.00000	2.48870	415.95000	.00420	.00160	.08120	1.83910	.66450	65.96200
	GRADIENT	.00000	.00007	.00003	-.00000	-.00000	.00002	-.00004	-.00000	.00000

AMES 118-1-87 OA145C 01 (82H051) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 52/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	.190	1.00000	2.48480	415.83000	.00310	.00150	.11140	-.35660	.61450	65.94300
3.001	2.562	1.00000	2.48290	415.95000	.00330	.00150	.10830	.13540	.73130	65.96200
3.001	5.039	1.00000	2.48390	416.07000	.00350	.00150	.10310	.68570	.67300	65.98200
3.001	7.621	1.00000	2.48600	415.95000	.00370	.00150	.09760	1.22390	.66670	65.96200
3.001	10.113	1.00000	2.49180	415.95000	.00360	.00150	.09320	1.60300	.66470	65.96200
3.001	12.167	1.00000	2.49510	415.83000	.00370	.00150	.09040	1.78530	.66430	65.94300
3.001	14.166	1.00000	2.49770	415.83000	.00390	.00160	.08770	1.87700	.66430	65.94300
3.001	15.203	1.00000	2.49460	415.83000	.00380	.00160	.08640	1.89950	.66410	65.94300
3.001	16.187	1.00000	2.49550	415.83000	.00400	.00160	.08520	1.90960	.66440	65.94300
3.001	18.204	1.00000	2.49170	415.83000	.00410	.00160	.08240	1.89740	.66490	65.94300
3.001	20.302	1.00000	2.49220	415.83000	.00440	.00160	.07960	1.84880	.66560	65.94300
3.001	22.769	1.00000	2.49040	415.83000	.00450	.00160	.07610	1.76970	.66640	65.94300
3.001	25.492	1.00000	2.48580	415.95000	.00440	.00160	.07190	1.66690	.66740	65.96200
	GRADIENT	.00000	-.00080	.05057	.00008	-.00000	-.00131	.20735	.04922	.00801

RUN NO. 184/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.498	4.767	1.00000	2.48680	360.92000	-.00510	.00190	.09870	.62670	.68980	42.14600
3.498	7.312	1.00000	2.48750	361.08000	-.00490	.00190	.09390	1.19390	.67170	42.16500
3.498	9.736	1.00000	2.49350	361.72000	-.00490	.00190	.09060	1.58180	.66560	42.24000
3.498	11.796	1.00000	2.48890	361.48000	-.00490	.00190	.08840	1.78780	.66380	42.21200
3.498	13.823	1.00000	2.49090	361.48000	-.00490	.00190	.08610	1.89870	.66270	42.21200
3.498	14.854	1.00000	2.48690	361.56000	-.00480	.00190	.08490	1.92450	.66240	42.22100
3.498	15.860	1.00000	2.48450	361.64000	-.00470	.00200	.08370	1.93610	.66240	42.23000
3.498	17.877	1.00000	2.48930	361.48000	-.00450	.00200	.08130	1.92620	.66230	42.21200
3.498	19.924	1.00000	2.48080	361.48000	-.00450	.00200	.07920	1.88380	.66230	42.21200
3.498	22.428	1.00000	2.47310	361.64000	-.00430	.00200	.07600	1.80290	.66250	42.23000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (82H052) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 53/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-6.256	1.00000	2.49550	415.83000	.00360	.00160	.09220	1.65580	.67420	65.94300
3.001	-4.163	1.00000	2.48330	415.95000	.00360	.00160	.09350	1.62260	.66890	65.96200
3.001	-2.051	1.00000	2.48420	415.95000	.00350	.00150	.09370	1.61150	.66630	65.96200
3.001	-.992	1.00000	2.48100	416.07000	.00340	.00150	.09360	1.60520	.66520	65.98200
3.001	.077	1.00000	2.48050	415.95000	.00350	.00150	.09350	1.60530	.66470	65.96200
3.001	1.118	1.00000	2.48180	415.95000	.00340	.00150	.09400	1.60330	.66410	65.96200
3.001	2.167	1.00000	2.48110	415.95000	.00350	.00150	.09430	1.59900	.66440	65.96200
3.001	3.202	1.00000	2.48320	416.07000	.00360	.00150	.09480	1.59130	.66450	65.98200
3.001	4.240	1.00000	2.48160	416.07000	.00360	.00150	.09500	1.59180	.66460	65.98200
3.001	6.381	1.00000	2.49320	416.07000	.00360	.00150	.09530	1.59100	.66780	65.98200
	GRADIENT	.00000	-.00017	.01111	.00000	-.00001	.00019	-.00358	-.00047	.00185

AMES 118-1-87 OA145C 01 (82H053) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 54/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-6.346	1.00000	2.48640	415.95000	.00370	.00160	.08310	1.94350	.67020	65.96200
3.001	-4.237	1.00000	2.48530	415.95000	.00380	.00160	.08480	1.91940	.66760	65.96200
3.001	-2.127	1.00000	2.48610	416.19000	.00400	.00160	.08620	1.89910	.66530	66.00100
3.001	-1.061	1.00000	2.47940	416.07000	.00390	.00150	.08610	1.90020	.66470	65.98200
3.001	-.005	1.00000	2.48510	415.95000	.00380	.00160	.08670	1.89470	.66400	65.96200
3.001	1.056	1.00000	2.48110	415.95000	.00390	.00160	.08660	1.89480	.66430	65.96200
3.001	2.123	1.00000	2.48180	415.95000	.00400	.00160	.08700	1.88930	.66420	65.96200
3.001	3.196	1.00000	2.48020	415.95000	.00390	.00160	.08700	1.88930	.66450	65.96200
3.001	4.277	1.00000	2.47940	415.95000	.00380	.00160	.08660	1.89690	.66560	65.96200
3.001	6.377	1.00000	2.48050	415.95000	.00380	.00150	.08600	1.90500	.66700	65.96200
	GRADIENT	.00000	-.00069	.01387	.00000	.00000	.00021	-.00265	-.00023	-.00227

AMES 118-1-87 OA145C 01 (B2H054) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 55/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-6.378	1.00000	2.48050	416.07000	.00380	.00160	.07600	1.89060	.66920	65.98200
3.001	-4.295	1.00000	2.48170	415.83000	.00380	.00160	.07740	1.87670	.66780	65.94300
3.001	-2.201	1.00000	2.48440	415.95000	.00390	.00160	.07980	1.85360	.66550	65.96200
3.001	-1.132	1.00000	2.49100	416.07000	.00410	.00160	.08000	1.84960	.66540	65.98200
3.001	-.068	1.00000	2.49130	415.95000	.00420	.00160	.07970	1.84850	.66550	65.96200
3.001	1.016	1.00000	2.49170	415.83000	.00420	.00160	.07980	1.84580	.66550	65.94300
3.001	2.076	1.00000	2.48930	415.95000	.00400	.00150	.07930	1.85150	.66580	65.96200
3.001	3.145	1.00000	2.49130	415.95000	.00370	.00160	.07850	1.85890	.66650	65.96200
3.001	4.205	1.00000	2.48750	415.83000	.00400	.00160	.07770	1.86420	.66750	65.94300
3.001	6.304	1.00000	2.48110	415.83000	.00390	.00160	.07710	1.86920	.66840	65.94300
	GRADIENT	.00000	.00079	-.00291	.00000	-.00000	-.00003	-.00092	.00001	-.00049

AMES 118-1-87 OA145C 01 (B2H055) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 51/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-22.746	1.00000	2.49650	415.95000	.00380	.00150	.09540	1.80330	.65440	65.96200
3.001	-17.927	1.00000	2.49130	415.83000	.00380	.00150	.09290	1.83410	.65780	65.94300
3.001	-14.936	1.00000	2.49110	415.95000	.00390	.00150	.09160	1.85030	.65960	65.96200
3.001	-9.494	1.00000	2.49650	416.07000	.00390	.00150	.08940	1.87680	.66240	65.98200
3.001	-4.946	1.00000	2.49470	415.95000	.00390	.00160	.08790	1.89630	.66440	65.96200
3.001	-2.437	1.00000	2.49200	415.95000	.00390	.00160	.08740	1.90130	.66490	65.96200
3.001	.044	1.00000	2.49600	415.95000	.00390	.00160	.08710	1.90570	.66550	65.96200
3.001	2.534	1.00000	2.49290	415.95000	.00400	.00160	.08700	1.90780	.66570	65.96200
3.001	5.008	1.00000	2.49380	415.95000	.00400	.00160	.08710	1.90710	.66570	65.96200
3.001	10.010	1.00000	2.49390	415.83000	.00390	.00160	.08800	1.89670	.66470	65.94300
3.001	14.996	1.00000	2.49270	415.95000	.00390	.00150	.08960	1.87850	.66280	65.96200
3.001	22.834	1.00000	2.48920	416.07000	.00380	.00150	.09330	1.83630	.65860	65.98200
	GRADIENT	.00000	-.00006	-.00000	.00001	-.00000	-.00012	.00156	.00018	-.00000

AMES 118-1-87 OA145C 01 (B2H058) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 60/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	.271	1.00000	2.48200	417.77000	.00290	.00150	.11060	-.35630	.62990	66.25100
3.001	2.455	1.00000	2.48890	417.89000	.00310	.00150	.10780	.09070	.70820	66.27000
3.001	4.995	1.00000	2.48800	417.77000	.00330	.00150	.10260	.65970	.66280	66.25100
3.001	7.531	1.00000	2.48570	417.65000	.00340	.00150	.09680	1.19690	.66000	66.23100
3.001	10.064	1.00000	2.48040	417.52000	.00330	.00150	.09250	1.58860	.65870	66.21200
3.001	12.144	1.00000	2.48270	417.89000	.00340	.00150	.08980	1.77520	.65890	66.27000
3.001	14.166	1.00000	2.48230	417.77000	.00360	.00160	.08710	1.87210	.65900	66.25100
3.001	15.148	1.00000	2.47580	417.65000	.00360	.00160	.08580	1.89220	.65890	66.23100
3.001	16.212	1.00000	2.48350	417.65000	.00370	.00160	.08430	1.90520	.65930	66.23100
3.001	18.194	1.00000	2.48290	417.77000	.00400	.00160	.08140	1.89590	.66000	66.25100
3.001	20.268	1.00000	2.47030	417.52000	.00420	.00160	.07840	1.85220	.66080	66.21200
3.001	22.758	1.00000	2.48150	417.65000	.00430	.00160	.07460	1.77340	.66160	66.23100
3.001	25.441	1.00000	2.47890	417.77000	.00420	.00160	.07040	1.67190	.66260	66.25100
	GRADIENT	.00000	.00123	-.00128	.00008	.00000	-.00170	.21529	.00629	-.00020

RUN NO. 187/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.498	4.805	1.00000	2.44190	361.48000	-.00520	.00190	.09820	.61610	.68110	42.21200
3.498	7.293	1.00000	2.43750	361.08000	-.00510	.00190	.09320	1.18430	.66620	42.16500
3.498	9.776	1.00000	2.43520	361.48000	-.00510	.00190	.08990	1.58240	.66040	42.21200
3.498	11.808	1.00000	2.43450	361.08000	-.00500	.00190	.08770	1.78320	.65870	42.16500
3.498	13.853	1.00000	2.43580	361.40000	-.00500	.00190	.08530	1.89610	.65810	42.20200
3.498	14.884	1.00000	2.43590	361.32000	-.00500	.00190	.08410	1.92400	.65770	42.19300
3.498	15.871	1.00000	2.43570	361.16000	-.00490	.00200	.08290	1.93530	.65770	42.17400
3.498	17.877	1.00000	2.43260	361.32000	-.00470	.00200	.08040	1.92780	.65730	42.19300
3.498	19.917	1.00000	2.43090	361.16000	-.00460	.00200	.07840	1.88310	.65740	42.17400
3.498	22.448	1.00000	2.43310	361.40000	-.00450	.00200	.07510	1.80380	.65770	42.20200
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-I-87 OA145C 01 (82H057) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 59/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	.282	1.00000	2.47580	417.65000	.00310	.00150	.11290	-.26270	.48470	66.23100
3.001	2.472	1.00000	2.47940	417.77000	.00330	.00150	.11030	.20130	.84490	66.25100
3.001	4.987	1.00000	2.47750	417.89000	.00350	.00150	.10580	.74160	.71450	66.27000
3.001	7.528	1.00000	2.48160	417.89000	.00390	.00150	.10090	1.25190	.69400	66.27000
3.001	10.053	1.00000	2.47960	417.77000	.00390	.00150	.09720	1.60870	.68600	66.25100
3.001	12.120	1.00000	2.48020	417.65000	.00390	.00150	.09510	1.78080	.68310	66.23100
3.001	14.144	1.00000	2.48330	417.77000	.00400	.00160	.09310	1.86190	.68140	66.25100
3.001	15.174	1.00000	2.48710	417.65000	.00420	.00160	.09230	1.87470	.68050	66.23100
3.001	16.155	1.00000	2.48670	417.77000	.00410	.00160	.09120	1.88340	.68010	66.25100
3.001	18.176	1.00000	2.49090	417.77000	.00420	.00160	.08920	1.86610	.67970	66.25100
3.001	20.223	1.00000	2.49440	417.77000	.00450	.00160	.08730	1.81760	.67970	66.25100
3.001	22.751	1.00000	2.48840	417.65000	.00460	.00160	.08490	1.73510	.67980	66.23100
3.001	25.430	1.00000	2.48790	417.65000	.00440	.00160	.08180	1.63540	.68000	66.23100
	GRADIENT	.00000	.00033	.05092	.00008	.00000	-.00152	.21348	.04637	.00827

RUN NO. 188/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.498	4.810	1.00000	2.44560	361.24000	-.00510	.00190	.10080	.69760	.72960	42.18400
3.498	7.316	1.00000	2.44070	361.32000	-.00490	.00190	.09640	1.23610	.69800	42.19300
3.498	9.772	1.00000	2.44900	361.16000	-.00480	.00190	.09380	1.60890	.68680	42.17400
3.498	11.796	1.00000	2.44220	361.32000	-.00480	.00200	.09220	1.79220	.68260	42.19300
3.498	13.800	1.00000	2.44090	361.16000	-.00480	.00200	.09070	1.88850	.68040	42.17400
3.498	14.862	1.00000	2.44180	361.32000	-.00480	.00200	.08990	1.90660	.67940	42.19300
3.498	15.865	1.00000	2.44190	361.08000	-.00480	.00200	.08910	1.91500	.67880	42.16500
3.498	17.864	1.00000	2.44360	361.40000	-.00440	.00200	.08730	1.89830	.67790	42.20200
3.498	19.904	1.00000	2.44440	361.00000	-.00430	.00200	.08620	1.84920	.67700	42.15600
3.498	22.442	1.00000	2.43790	361.40000	-.00400	.00200	.08370	1.76830	.67660	42.20200
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 11ft-1-87 OA145C 01 (82H058) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	22.500
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 58/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	.273	1.00000	2.48330	415.95000	.00300	.00150	.11440	-.22860	.41310	65.96200
3.001	2.003	1.00000	2.48610	416.07000	.00320	.00150	.11230	.12970	.99980	65.98200
3.001	4.974	1.00000	2.48760	416.07000	.00330	.00150	.10750	.75810	.72760	65.98200
3.001	7.558	1.00000	2.47660	416.19000	.00370	.00150	.10300	1.26370	.70290	66.00100
3.001	10.110	1.00000	2.48130	416.19000	.00360	.00150	.09970	1.61180	.69310	66.00100
3.001	12.166	1.00000	2.47740	416.07000	.00360	.00160	.09790	1.77580	.68960	65.98200
3.001	14.180	1.00000	2.47720	416.07000	.00370	.00160	.09640	1.85060	.68740	65.98200
3.001	15.157	1.00000	2.47250	416.31000	.00380	.00160	.09580	1.86030	.68640	66.02000
3.001	16.165	1.00000	2.47870	416.43000	.00380	.00160	.09490	1.86580	.68580	66.03900
3.001	18.220	1.00000	2.47890	417.28000	.00400	.00160	.09330	1.84540	.68520	66.17400
3.001	20.274	1.00000	2.49100	418.13000	.00430	.00160	.09170	1.79580	.68490	66.30800
3.001	22.750	1.00000	2.48270	417.89000	.00440	.00160	.08980	1.71590	.68460	66.27000
3.001	25.435	1.00000	2.48370	417.65000	.00430	.00160	.08750	1.61580	.68440	66.23100
	GRADIENT	.00000	.00087	.02276	.00006	.00000	-.00148	.21009	.04968	.00379

AMES 11B-1-87 OA145C 01 (B2H0J9) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 56/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-11.761	1.00000	2.48110	415.83000	.00340	.00150	.09250	1.59670	.65860	65.94300
3.001	-8.000	1.00000	2.48020	415.95000	.00340	.00150	.09230	1.60410	.66000	65.96200
3.001	-5.979	1.00000	2.47690	415.95000	.00350	.00150	.09230	1.60840	.66120	65.96200
3.001	-3.921	1.00000	2.47670	415.83000	.00350	.00150	.09250	1.61100	.66270	65.94300
3.001	-2.011	1.00000	2.48200	415.95000	.00350	.00150	.09250	1.61310	.66390	65.96200
3.001	.029	1.00000	2.47600	415.83000	.00360	.00150	.09260	1.61670	.66570	65.94300
3.001	1.940	1.00000	2.48050	415.95000	.00360	.00150	.09290	1.61870	.66740	65.96200
3.001	4.007	1.00000	2.48130	415.83000	.00360	.00150	.09330	1.61920	.66960	65.94300
3.001	6.010	1.00000	2.47530	415.83000	.00370	.00150	.09370	1.62150	.67190	65.94300
3.001	8.010	1.00000	2.47740	415.95000	.00370	.00160	.09410	1.62310	.67440	65.96200
3.001	12.070	1.00000	2.47710	415.83000	.00380	.00150	.09570	1.62140	.67960	65.94300
3.001	16.339	1.00000	2.47840	415.83000	.00380	.00160	.09720	1.62130	.68560	65.94300
3.001	22.594	1.00000	2.46830	415.83000	.00380	.00150	.09970	1.61650	.69290	65.94300
	GRADIENT	.00000	.00038	-.00027	.00002	.00000	.00010	.00111	.00087	-.00004

AMES 11B-1-87 OA145C 01 (82H060) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 35/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-11.761	1.00000	2.48270	414.06000	.00340	.00160	.08630	1.89100	.65910	65.71600
3.000	-8.000	1.00000	2.48240	413.94000	.00290	.00180	.08680	1.89580	.66020	65.69600
3.000	-5.938	1.00000	2.48060	413.94000	.00290	.00180	.08670	1.89840	.66130	65.69600
3.000	-3.903	1.00000	2.48470	414.18000	.00280	.00190	.08680	1.90120	.66220	65.73500
3.000	-2.022	1.00000	2.48160	414.06000	.00290	.00190	.08690	1.90290	.66360	65.71600
3.000	.019	1.00000	2.48020	414.06000	.00280	.00190	.08730	1.90200	.66480	65.71600
3.000	1.969	1.00000	2.47930	414.06000	.00320	.00180	.08760	1.89900	.66620	65.71600
3.000	3.986	1.00000	2.47890	413.94000	.00280	.00190	.08820	1.89940	.66790	65.69600
3.000	6.020	1.00000	2.47910	414.06000	.00270	.00200	.08890	1.89860	.66970	65.71600
3.000	7.990	1.00000	2.48040	414.06000	.00290	.00190	.08940	1.89510	.67160	65.71600
3.000	12.100	1.00000	2.47650	414.06000	.00290	.00190	.09120	1.88780	.67590	65.71600
3.000	16.339	1.00000	2.47750	413.94000	.00300	.00190	.09330	1.87850	.68060	65.69600
3.000	22.604	1.00000	2.47310	414.06000	.00300	.00190	.09650	1.86220	.68540	65.71600
	GRADIENT	.00000	-.00070	-.02422	.00001	-.00001	.00018	-.00038	.00071	-.00394

RUN NO. 177/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.496	-11.772	1.00000	2.45710	361.03000	-.00520	.00190	.08440	1.92140	.65780	42.18600
3.496	-8.041	1.00000	2.45390	360.95000	-.00520	.00190	.08430	1.92520	.65900	42.17700
3.496	-6.040	1.00000	2.45810	361.11000	-.00520	.00190	.08440	1.92640	.65990	42.19500
3.496	-3.912	1.00000	2.45010	360.95000	-.00520	.00190	.08440	1.92880	.66090	42.17700
3.496	-1.990	1.00000	2.45080	361.11000	-.00510	.00190	.08450	1.93040	.66200	42.19500
3.496	.019	1.00000	2.44860	360.95000	-.00510	.00190	.08460	1.93200	.66320	42.17700
3.496	1.969	1.00000	2.45630	360.95000	-.00510	.00190	.08510	1.93050	.66470	42.17700
3.496	4.040	1.00000	2.45570	361.11000	-.00510	.00200	.08540	1.93060	.66630	42.19500
3.496	6.010	1.00000	2.44910	360.95000	-.00520	.00200	.08600	1.92910	.66810	42.17700
3.496	8.020	1.00000	2.45340	361.11000	-.00510	.00200	.08640	1.92800	.67000	42.19500
3.496	12.100	1.00000	2.44950	360.95000	-.00510	.00200	.08800	1.91990	.67440	42.17700
3.496	16.339	1.00000	2.44770	361.11000	-.00470	.00190	.08960	1.90930	.67960	42.19500
3.496	22.594	1.00000	2.44580	360.95000	-.00500	.00190	.09290	1.89140	.68590	42.17700
	GRADIENT	.00000	.00084	-.00611	.00001	.00001	.00013	.00018	.00068	.00091

AMES 118-1-87 OA145C 01 (82H061) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 57/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	-11.761	1.00000	2.48700	415.83000	.00410	.00160	.07850	1.85140	.66070	65.94300
3.001	-8.020	1.00000	2.48860	415.83000	.00420	.00160	.07850	1.85270	.66190	65.94300
3.001	-5.969	1.00000	2.48750	415.71000	.00420	.00160	.07860	1.85350	.66280	65.92400
3.001	-3.921	1.00000	2.49000	415.95000	.00420	.00160	.07870	1.85300	.66360	65.96200
3.001	-2.011	1.00000	2.48930	415.83000	.00420	.00160	.07900	1.85280	.66470	65.94300
3.001	.019	1.00000	2.48150	415.71000	.00420	.00160	.07920	1.85280	.66590	65.92400
3.001	1.960	1.00000	2.48620	415.95000	.00420	.00160	.07970	1.85190	.66730	65.96200
3.001	4.029	1.00000	2.48590	415.83000	.00420	.00160	.08040	1.84880	.66870	65.94300
3.001	6.000	1.00000	2.48570	415.83000	.00410	.00160	.08090	1.84830	.67010	65.94300
3.001	8.020	1.00000	2.47560	415.83000	.00420	.00160	.08170	1.84420	.67180	65.94300
3.001	12.100	1.00000	2.48390	415.83000	.00420	.00160	.08410	1.83380	.67550	65.94300
3.001	16.328	1.00000	2.48240	415.83000	.00440	.00160	.08670	1.82020	.67960	65.94300
3.001	22.585	1.00000	2.47750	415.71000	.00440	.00160	.09150	1.79660	.68470	65.92400
	GRADIENT	.00000	-.00057	-.00606	.00000	.00000	.00021	-.01147	.00064	-.00096

AMES 118-1-87 OA145C 01 (B2H062) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-35.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 73/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	.267	1.00000	2.46960	418.25000	.00230	.00140	.13060	-.75150	.77880	66.32700
3.001	1.942	1.00000	2.47000	418.25000	.00270	.00140	.12660	-.44900	.87500	66.32700
3.001	3.971	1.00000	2.46180	418.13000	.00310	.00150	.12270	-.05190	-4.70960	66.30800
3.001	5.963	1.00000	2.46900	418.13000	.00330	.00150	.11580	.38880	.46930	66.30800
3.001	7.982	1.00000	2.47080	418.13000	.00330	.00150	.11130	.79850	.55980	66.30800
3.001	10.031	1.00000	2.47390	418.25000	.00320	.00150	.10740	1.14400	.59020	66.32700
3.001	12.108	1.00000	2.46530	418.13000	.00310	.00150	.10440	1.38090	.60320	66.30800
3.001	14.127	1.00000	2.46900	418.13000	.00360	.00150	.10030	1.55170	.61340	66.30800
3.001	15.164	1.00000	2.46910	418.25000	.00350	.00150	.09800	1.61330	.61710	66.32700
3.001	16.145	1.00000	2.47130	418.25000	.00360	.00150	.09610	1.65710	.62050	66.32700
3.001	18.182	1.00000	2.46970	418.13000	.00370	.00150	.09100	1.71740	.62670	66.30800
3.001	20.216	1.00000	2.46690	418.13000	.00400	.00160	.08720	1.71640	.63080	66.30800
3.001	22.216	1.00000	2.46380	418.13000	.00430	.00160	.08400	1.68220	.63380	66.30800
3.001	26.366	1.00000	2.47390	418.25000	.00420	.00160	.07610	1.57070	.63880	66.32700
3.001	29.826	1.00000	2.46230	418.13000	.00400	.00160	.07010	1.44920	.64050	66.30800
	GRADIENT	.00000	-.00217	-.03333	.00022	.00003	-.00213	.18912	-1.52597	-.00528

AMES 118-1-87 OA145C 01 (82H063) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	20.000
AILRON =	.000	BDFLAP =	22.500
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 747 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.001	.272	1.00000	2.46790	419.13000	.00330	.00160	.12770	.13950	1.69960	66.30800
3.001	1.915	1.00000	2.45910	418.25000	.00350	.00160	.12760	.45950	.97200	66.32700
3.001	3.968	1.00000	2.46400	418.01000	.00360	.00160	.12680	.83080	.83330	66.28900
3.001	5.987	1.00000	2.46400	418 13000	.00380	.00160	.12440	1.17360	.78600	66.30800
3.001	8.013	1.00000	2.46580	418.25000	.00390	.00160	.12380	1.44080	.76010	66.32700
3.001	10.052	1.00000	2.45810	418.01000	.00390	.00160	.12370	1.62720	.74560	66.28900
3.001	12.147	1.00000	2.45560	418.13000	.00410	.00160	.12490	1.72480	.73660	66.30800
3.001	14.152	1.00000	2.46120	418.13000	.00390	.00160	.12580	1.76960	.73070	66.30800
3.001	15.174	1.00000	2.46350	418.01000	.00360	.00160	.12650	1.77200	.72830	66.28900
3.001	16.158	1.00000	2.45540	418.13000	.00360	.00160	.12710	1.76620	.72670	66.30800
3.001	18.186	1.00000	2.46160	418.13000	.00370	.00160	.12940	1.72940	.72390	66.30800
3.001	20.234	1.00000	2.45880	418.13000	.00390	.00160	.13030	1.67160	.72160	66.30800
3.001	22.222	1.00000	2.46080	418.25000	.00430	.00160	.13240	1.60480	.71970	66.32700
3.001	26.308	1.00000	2.46230	418.13000	.00420	.00160	.13590	1.45960	.71670	66.30800
3.001	29.813	1.00000	2.45640	418.13000	.00410	.00160	.13900	1.33120	.71450	66.30800
	GRADIENT	.00000	-.00091	-.03591	.00008	.00000	-.00025	.18679	-.22758	-.00569

AMES 118-1-87 OA145C 01 (B2H064) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 100/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.186	1.00000	2.48150	405.33000	.00250	.00160	.10130	-.31010	.43010	64.33000
3.000	2.533	1.00000	2.47970	405.33000	.00260	.00160	.09880	.23850	.89250	64.33000
3.000	4.984	1.00000	2.47630	405.33000	.00280	.00160	.09440	.81830	.72660	64.33000
3.000	7.567	1.00000	2.46870	405.33000	.00300	.00160	.08940	1.37750	.69560	64.33000
3.000	10.029	1.00000	2.46640	405.21000	.00290	.00160	.08530	1.74770	.68330	64.31000
3.000	12.118	1.00000	2.46290	405.33000	.00310	.00160	.08300	1.91710	.67830	64.33000
3.000	14.172	1.00000	2.46330	405.21000	.00310	.00160	.08050	1.99240	.67570	64.31000
3.000	15.190	1.00000	2.48440	407.39000	.00320	.00160	.07950	2.00060	.67440	64.65700
3.000	16.163	1.00000	2.47930	407.51000	.00340	.00160	.07840	1.99990	.67360	64.67600
3.000	18.186	1.00000	2.48200	407.51000	.00340	.00160	.07590	1.96980	.67220	64.67600
3.000	20.237	1.00000	2.48050	407.39000	.00360	.00160	.07360	1.90750	.67130	64.65700
3.000	22.737	1.00000	2.47000	407.39000	.00380	.00160	.07100	1.80910	.67070	64.65700
3.000	25.427	1.00000	2.47550	407.51000	.00370	.00160	.06810	1.69250	.67030	64.67600
	GRADIENT	.00000	-.00109	-.00000	.00006	-.00000	-.00144	.23522	.06085	.00000

AMES 118-1-87 OA145C 01 (B2H065) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 106/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.291	1.00000	2.50120	418.91000	.00330	.00160	.08590	1.77960	.68840	66.48600
3.000	-4.198	1.00000	2.49320	418.79000	.00330	.00160	.08610	1.76130	.68550	66.46600
3.000	-2.072	1.00000	2.49520	418.91000	.00330	.00150	.08580	1.75510	.68400	66.48600
3.000	-1.003	1.00000	2.49940	418.79000	.00310	.00150	.08560	1.75060	.68330	66.46600
3.000	.071	1.00000	2.49830	418.91000	.00320	.00160	.08510	1.75770	.68320	66.48600
3.000	1.157	1.00000	2.49590	418.91000	.00320	.00160	.08520	1.76000	.68340	66.48600
3.000	2.179	1.00000	2.49810	418.91000	.00330	.00160	.08540	1.75530	.68420	66.48600
3.000	3.217	1.00000	2.49570	418.91000	.00370	.00160	.08540	1.75320	.68470	66.48600
3.000	4.254	1.00000	2.49900	418.91000	.00370	.00160	.08540	1.75930	.68560	66.48600
3.000	6.392	1.00000	2.49520	418.79000	.00370	.00160	.08520	1.77270	.68920	66.46600
	GRADIENT	.00000	-.00042	.01312	.00005	.00001	-.00008	-.00016	.00004	.00219

AMES 118-1-87 OA145C 01 (82H068) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 104/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.323	1.00000	2.48060	414.43000	.00320	.00160	.07870	2.00980	.67680	65.77300
3.000	-4.243	1.00000	2.48150	414.30000	.00340	.00160	.07890	2.00490	.67570	65.75400
3.000	-2.123	1.00000	2.48040	414.43000	.00350	.00160	.07940	1.99640	.67460	65.77300
3.000	-1.065	1.00000	2.48110	414.43000	.00340	.00160	.07910	2.00090	.67450	65.77300
3.000	-.009	1.00000	2.47380	414.43000	.00310	.00160	.07950	1.99960	.67440	65.77300
3.000	1.099	1.00000	2.47470	414.43000	.00340	.00160	.07930	1.99970	.67460	65.77300
3.000	2.144	1.00000	2.47690	414.43000	.00350	.00160	.07970	1.99490	.67490	65.77300
3.000	3.199	1.00000	2.47510	414.43000	.00340	.00160	.07940	1.99890	.67540	65.77300
3.000	4.252	1.00000	2.47620	414.43000	.00340	.00160	.07900	2.00320	.67630	65.77300
3.000	6.371	1.00000	2.47220	414.43000	.00360	.00160	.07850	2.00640	.67740	65.77300
	GRADIENT	.00000	-.00079	.01071	.00000	.00000	.00003	-.00026	.00008	.00157

AMES 118-1-87 OA145C 01 (82H067) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 103/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.257	1.00000	2.47570	414.43000	.00360	.00160	.07200	1.91640	.67280	65.77300
3.000	-4.173	1.00000	2.47840	414.43000	.00370	.00160	.07240	1.91580	.67230	65.77300
3.000	-2.060	1.00000	2.47710	414.55000	.00380	.00160	.07330	1.90770	.67150	65.79300
3.000	-.995	1.00000	2.47070	414.43000	.00380	.00160	.07340	1.90700	.67130	65.77300
3.000	.064	1.00000	2.47640	414.43000	.00390	.00160	.07340	1.90500	.67120	65.77300
3.000	1.161	1.00000	2.47330	414.43000	.00400	.00160	.07350	1.90460	.67140	65.77300
3.000	2.171	1.00000	2.46720	414.43000	.00390	.00160	.07370	1.90580	.67150	65.77300
3.000	3.217	1.00000	2.47530	414.43000	.00360	.00160	.07350	1.91150	.67190	65.77300
3.000	4.256	1.00000	2.47760	414.55000	.00360	.00160	.07330	1.91340	.67260	65.79300
3.000	6.339	1.00000	2.48530	414.43000	.00360	.00160	.07290	1.91900	.67320	65.77300
	GRADIENT	.00000	-.00035	.00278	-.00001	.00000	.00010	-.00016	.00003	.00046

AMES 118-1-87 OA145C 01 (82H088) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 101/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.309	1.00000	2.46510	407.39000	.00250	.00160	.10280	-.27420	.39350	64.65700
3.000	2.557	1.00000	2.46580	407.39000	.00260	.00160	.09910	.24660	.88860	64.65700
3.000	5.014	1.00000	2.46600	407.39000	.00280	.00160	.09380	.83580	.72830	64.65700
3.000	7.878	1.00000	2.45650	407.39000	.00290	.00160	.08910	1.43380	.69450	64.65700
3.000	10.118	1.00000	2.45700	407.39000	.00300	.00160	.08580	1.74760	.68430	64.65700
3.000	12.208	1.00000	2.45540	407.39000	.00320	.00160	.08320	1.91290	.67920	64.65700
3.000	14.202	1.00000	2.45650	407.39000	.00340	.00160	.08120	1.97600	.67600	64.65700
3.000	15.251	1.00000	2.45230	407.39000	.00330	.00160	.07990	1.99120	.67490	64.65700
3.000	16.229	1.00000	2.45190	407.39000	.00330	.00160	.07860	1.99310	.67400	64.65700
3.000	18.206	1.00000	2.45250	407.39000	.00350	.00160	.07660	1.95890	.67260	64.65700
3.000	20.342	1.00000	2.45210	407.39000	.00350	.00160	.07380	1.90070	.67170	64.65700
3.000	22.857	1.00000	2.44880	407.39000	.00340	.00160	.07100	1.80390	.67090	64.65700
3.000	25.470	1.00000	2.45080	407.39000	.00350	.00160	.06840	1.68910	.67060	64.65700
	GRADIENT	.00000	.00031	.00000	.00004	.00000	-.00165	.23169	.22026	.00000

AMES 118-1-87 OA145C 01 (82H069) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 107/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-9.494	1.00000	2.49300	418.91000	.00330	.00160	.08620	1.73240	.68020	66.48600
3.000	-4.926	1.00000	2.49580	418.79000	.00330	.00160	.08510	1.75470	.68250	66.46600
3.000	-2.427	1.00000	2.49010	418.79000	.00330	.00160	.08490	1.75960	.68280	66.46600
3.000	.018	1.00000	2.49140	418.79000	.00330	.00160	.08490	1.75920	.68310	66.46600
3.000	2.534	1.00000	2.48610	418.91000	.00330	.00160	.08500	1.75750	.68310	66.48600
3.000	4.998	1.00000	2.49360	418.79000	.00330	.00160	.08520	1.75370	.68260	66.46600
3.000	10.021	1.00000	2.49250	418.79000	.00330	.00160	.08640	1.72860	.68060	66.46600
	GRADIENT	.00000	-.00034	.00486	-.00000	.00000	.00001	-.00017	.00002	.00081

AMES 118-1-87 OA145C 01 (B2H070) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 108/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-22.735	1.00000	2.48960	418.79000	.00360	.00160	.08560	1.91370	.66650	66.46600
3.000	-17.947	1.00000	2.48790	418.79000	.00360	.00160	.08340	1.94230	.66930	66.46600
3.000	-14.936	1.00000	2.48920	418.79000	.00350	.00160	.08220	1.95800	.67070	66.46600
3.000	-9.494	1.00000	2.48500	418.79000	.00350	.00160	.08030	1.98420	.67280	66.46600
3.000	-4.936	1.00000	2.49300	418.79000	.00350	.00160	.07930	1.99590	.67400	66.46600
3.000	.009	1.00000	2.49890	418.79000	.00340	.00160	.07910	2.00080	.67430	66.46600
3.000	2.504	1.00000	2.49520	418.79000	.00330	.00160	.07920	2.00140	.67430	66.46600
3.000	5.008	1.00000	2.49650	418.79000	.00340	.00160	.07960	1.99630	.67420	66.46600
3.000	10.010	1.00000	2.49560	418.79000	.00340	.00160	.08060	1.98310	.67300	66.46600
3.000	15.017	1.00000	2.49830	418.79000	.00350	.00160	.08220	1.96220	.67110	66.46600
3.000	22.811	1.00000	2.49940	418.79000	.00350	.00160	.08560	1.91900	.66680	66.46600
	GRADIENT	.00000	.00042	-.00000	-.00003	-.00000	-.00002	.00077	.00004	-.00000

AMES 118-1-87 OA145C 01 (B2H071) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 109/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-9.485	1.00000	2.49980	418.79000	.00370	.00160	.07440	1.89930	.67050	66.46600
3.000	-4.926	1.00000	2.49720	418.79000	.00400	.00160	.07340	1.90590	.67110	66.46600
3.000	-2.427	1.00000	2.49410	418.91000	.00370	.00160	.07330	1.90810	.67130	66.48600
3.000	.027	1.00000	2.49780	418.79000	.00400	.00160	.07300	1.90850	.67130	66.46600
3.000	2.504	1.00000	2.49330	418.67000	.00370	.00160	.07350	1.90710	.67130	66.44700
3.000	5.018	1.00000	2.49530	418.67000	.00370	.00160	.07370	1.90510	.67120	66.44700
3.000	10.021	1.00000	2.49410	418.79000	.00400	.00160	.07430	1.89810	.67040	66.46600
	GRADIENT	.00000	-.00032	-.01933	-.00002	.00000	.00000	.00016	.00002	-.00310

AMES 118-1-87 OA145C 01 (B2H072) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RN/L =	2.500		

RUN NO. 110/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-9.494	1.00000	2.49300	418.79000	.00370	.00160	.08060	1.97480	.67300	66.46600
3.000	-4.916	1.00000	2.49430	418.79000	.00390	.00160	.07950	1.98880	.67430	66.46600
3.000	-2.437	1.00000	2.49050	418.79000	.00390	.00160	.07900	1.99490	.67470	66.46600
3.000	.027	1.00000	2.49180	418.79000	.00390	.00160	.07890	1.99680	.67490	66.46600
3.000	2.524	1.00000	2.48480	418.79000	.00390	.00160	.07900	1.99490	.67480	66.46600
3.000	5.008	1.00000	2.49030	418.79000	.00380	.00160	.07930	1.99270	.67480	66.46600
3.000	10.010	1.00000	2.48650	418.79000	.00380	.00160	.08020	1.98290	.67380	66.46600
	GRADIENT	.00000	-.00110	-.00000	.00000	-.00000	-.00006	.00081	.00007	.00000

AMES 118-1-87 OA145C 01 (B2H073) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 105/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.314	1.00000	2.47130	414.43000	.00320	.00160	.07830	2.01490	.67740	65.77300
3.000	-4.208	1.00000	2.46790	414.55000	.00340	.00160	.07880	2.00620	.67610	65.79300
3.000	-2.092	1.00000	2.46900	414.55000	.00360	.00160	.07960	1.99300	.67440	65.79300
3.000	-1.054	1.00000	2.46850	414.55000	.00350	.00160	.07930	1.99690	.67420	65.79300
3.000	.014	1.00000	2.48500	418.43000	.00340	.00160	.07930	1.99690	.67390	66.40900
3.000	1.095	1.00000	2.49290	418.67000	.00370	.00160	.07920	1.99510	.67410	66.44700
3.000	2.148	1.00000	2.48520	418.79000	.00380	.00160	.07960	1.98950	.67430	66.46600
3.000	3.199	1.00000	2.49080	418.91000	.00370	.00160	.07960	1.99040	.67460	66.48600
3.000	4.263	1.00000	2.49120	418.91000	.00370	.00160	.07930	1.99460	.67530	66.48600
3.000	6.374	1.00000	2.49430	418.91000	.00360	.00150	.07940	1.99510	.67610	66.48600
	GRADIENT	.00000	.00338	.66776	.00004	-.00000	.00005	-.00132	-.00007	.10610

AMES 118-1-87 OA145C 01 (82H074) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 102/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.182	1.00000	2.45700	407.39000	.00230	.00160	.10230	-.31110	.43900	64.65700
3.000	2.532	1.00000	2.45830	40 51000	.00240	.00160	.09960	.23590	.88550	64.67600
3.000	5.033	1.00000	2.48990	414.30000	.00300	.00160	.09460	.82180	.72390	65.75400
3.000	8.940	1.00000	2.49270	414.55000	.00310	.00160	.08730	1.60190	.68630	65.79300
3.000	10.131	1.00000	2.49020	414.43000	.00310	.00160	.08570	1.74970	.68220	65.77300
3.000	12.128	1.00000	2.48760	414.55000	.00320	.00160	.08340	1.90830	.67770	65.79300
3.000	14.150	1.00000	2.48620	414.43000	.00330	.00160	.08090	1.98370	.67510	65.77300
3.000	15.209	1.00000	2.48820	414.43000	.00360	.00160	.07950	1.99280	.67390	65.77300
3.000	16.169	1.00000	2.48950	414.43000	.00370	.00160	.07840	1.99500	.67320	65.77300
3.000	18.190	1.00000	2.48660	414.43000	.00370	.00160	.07600	1.96570	.67190	65.77300
3.000	20.258	1.00000	2.48000	414.43000	.00390	.00160	.07370	1.90330	.67100	65.77300
3.000	22.740	1.00000	2.48350	414.43000	.00400	.00160	.07120	1.80590	.67050	65.77300
3.000	25.440	1.00000	2.47620	414.43000	.00390	.00160	.06840	1.68910	.67010	65.77300
	GRADIENT	.00000	.00055	.05107	.00004	.00000	-.00115	.23280	.19002	.00809

AMES 118-1-87 OA145C 01 (B2H075) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 111/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-11.761	1.00000	2.50050	418.79000	.00310	.00160	.07860	1.99960	.66870	66.46600
3.000	-7.990	1.00000	2.49470	418.79000	.00320	.00160	.07860	2.00030	.67010	66.46600
3.000	-5.969	1.00000	2.48790	418.79000	.00340	.00160	.07850	2.00090	.67080	66.46600
3.000	-3.884	1.00000	2.49650	418.79000	.00340	.00160	.07870	2.00260	.67190	66.46600
3.000	-2.001	1.00000	2.49800	418.79000	.00350	.00160	.07880	2.00370	.67310	66.46600
3.000	.019	1.00000	2.49430	418.79000	.00360	.00160	.07890	2.00410	.67430	66.46600
3.000	1.960	1.00000	2.49670	418.79000	.00350	.00160	.07920	2.00450	.67570	66.46600
3.000	4.040	1.00000	2.49010	418.79000	.00350	.00160	.07970	2.00340	.67730	66.46600
3.000	6.000	1.00000	2.49630	418.79000	.00350	.00160	.08030	2.00030	.67910	66.46600
3.000	8.000	1.00000	2.48960	418.79000	.00350	.00160	.08100	1.99800	.68080	66.46600
3.000	12.110	1.00000	2.49470	418.79000	.00350	.00160	.08270	1.98880	.68490	66.46600
3.000	16.359	1.00000	2.49270	418.79000	.00350	.00160	.08510	1.97400	.68950	66.46600
3.000	22.594	1.00000	2.49140	418.79000	.00350	.00160	.08840	1.95440	.69510	66.46600
	GRADIENT	.00000	-.00072	.00000	.00001	.00000	.00012	.00012	.00068	.00000

AMES 118-1-87 OA145C 01 (B2H076) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 2.500

RUN NO. 139/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.300	1.00000	2.48060	403.27000	.00230	.00160	.10490	-.31630	.50350	64.00200
3.000	2.561	1.00000	2.48730	402.66000	.00240	.00150	.10240	.19900	.84250	63.90600
3.000	5.032	1.00000	2.50160	403.27000	.00270	.00150	.09750	.76700	.70700	64.00200
3.000	7.582	1.00000	2.50030	403.03000	.00320	.00150	.09220	1.31660	.68490	63.96400
3.000	10.113	1.00000	2.49960	403.03000	.00310	.00150	.08820	1.69320	.67650	63.96400
3.000	12.149	1.00000	2.49790	403.27000	.00330	.00150	.08570	1.86520	.67330	64.00200
3.000	14.126	1.00000	2.49410	403.03000	.00340	.00160	.08340	1.94220	.67160	63.96400
3.000	15.176	1.00000	2.49100	403.15000	.00340	.00150	.08210	1.95870	.67070	63.98300
3.000	16.155	1.00000	2.48940	403.15000	.00360	.00160	.08080	1.96480	.67020	63.98300
3.000	18.180	1.00000	2.48430	403.03000	.00370	.00160	.07830	1.94180	.66960	63.96400
3.000	20.237	1.00000	2.48770	403.03000	.00390	.00160	.07580	1.88530	.66940	63.96400
3.000	22.741	1.00000	2.48000	403.03000	.00410	.00160	.07290	1.79360	.66920	63.96400
3.000	25.409	1.00000	2.47780	403.03000	.00390	.00160	.06970	1.68370	.66940	63.96400
	GRADIENT	.00000	.00296	-.26986	.00004	-.00004	-.00111	.22797	.14997	-.04247

AMES 118-1-87 OA145C 01 (B2H077) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 2.500

RUN NO. 141/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.312	1.00000	2.48850	409.57000	.00350	.00150	.08060	1.97730	.67370	65.00300
3.000	-4.235	1.00000	2.48710	409.57000	.00370	.00150	.08120	1.96670	.67230	65.00300
3.000	-2.103	1.00000	2.48910	409.57000	.00390	.00150	.08180	1.95730	.67100	65.00300
3.000	-1.047	1.00000	2.48730	409.57000	.00380	.00150	.08140	1.96210	.67100	65.00300
3.000	-.007	1.00000	2.48440	409.57000	.00370	.00150	.08180	1.95980	.67060	65.00300
3.000	1.093	1.00000	2.48080	409.57000	.00390	.00150	.08160	1.95920	.67100	65.00300
3.000	2.140	1.00000	2.49020	409.57000	.00400	.00150	.08190	1.95490	.67130	65.00300
3.000	3.245	1.00000	2.48780	409.57000	.00390	.00160	.08170	1.95700	.67170	65.00300
3.000	4.265	1.00000	2.48640	409.57000	.00390	.00150	.08120	1.96320	.67280	65.00300
3.000	6.397	1.00000	2.48600	409.57000	.00390	.00150	.08060	1.97280	.67430	65 00300
	GRADIENT	.00000	-.00007	.00000	.00002	.00000	.00001	-.00058	.00006	.00000

AMES 118-1-87 OA145C 01 (82H078) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 2.500

RUN NO. 140/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.323	1.00000	2.50600	409.82000	.00310	.00150	.10600	-.30070	.49270	65.04200
3.000	2.560	1.00000	2.50320	409.70000	.00320	.00150	.10240	.19850	.84410	65.02300
3.000	5.041	1.00000	2.49900	409.82000	.00330	.00150	.09660	.78060	.70930	65.04200
3.000	7.627	1.00000	2.50090	409.70000	.00350	.00150	.09200	1.32270	.68630	65.02300
3.000	10.159	1.00000	2.49450	409.57000	.00360	.00150	.08810	1.69110	.67740	65.00300
3.000	12.214	1.00000	2.49890	409.70000	.00380	.00150	.08540	1.86300	.67400	65.02300
3.000	14.234	1.00000	2.49650	409.57000	.00400	.00150	.08320	1.93350	.67190	65.00300
3.000	15.255	1.00000	2.49640	409.70000	.00410	.00150	.08170	1.95390	.67120	65.02300
3.000	16.233	1.00000	2.49250	409.57000	.00410	.00150	.08040	1.95780	.67080	65.00300
3.000	18.213	1.00000	2.49410	409.57000	.00430	.00150	.07800	1.93420	.66980	65.00300
3.000	20.320	1.00000	2.48670	409.70000	.00420	.00150	.07520	1.88210	.66950	65.02300
3.000	22.860	1.00000	2.48800	409.57000	.00420	.00150	.07200	1.79080	.66920	65.00300
3.000	25.485	1.00000	2.48810	409.70000	.00430	.00160	.06910	1.68090	.66940	65.02300
	GRADIENT	.00000	-.00125	-.05364	.00004	.00000	-.00161	.22317	.15709	-.00849

AMES 118-1-87 OA145C 01 (82H079) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 40.000
RN/L = 2.500

RUN NO. 144/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-9.494	1.00000	2.48420	412.24000	.00340	.00150	.08970	1.66700	.67300	65.42700
3.000	-4.936	1.00000	2.48300	412.12000	.00330	.00150	.08850	1.69070	.67540	65.40800
3.000	-2.427	1.00000	2.48350	412.24000	.00340	.00150	.08810	1.69870	.67620	65.42700
3.000	.018	1.00000	2.48510	412.24000	.00330	.00150	.08800	1.69930	.67650	65.42700
3.000	2.544	1.00000	2.48980	412.24000	.00340	.00150	.08810	1.69680	.67640	65.42700
3.000	5.018	1.00000	2.48690	412.24000	.00340	.00150	.08840	1.69180	.67590	65.42700
3.000	10.010	1.00000	2.49400	412.24000	.00340	.00150	.08970	1.66560	.67320	65.42700
	GRADIENT	.00000	.00089	.01448	.00001	.00000	-.00005	.00076	.00013	.00229

AMES 118-1-87 OA145C 01 (82H080) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 40.000
RN/L = 2.500

RUN NO. 143/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-22.746	1.00000	2.47100	410.42000	.00360	.00150	.08990	1.86290	.66120	65.13800
3.000	-17.927	1.00000	2.47920	412.00000	.00360	.00150	.08700	1.89830	.66470	65.38800
3.000	-14.925	1.00000	2.48490	411.88000	.00360	.00150	.08540	1.91750	.66630	65.36900
3.000	-9.476	1.00000	2.48460	412.12000	.00360	.00150	.08320	1.94390	.66880	65.40800
3.000	-4.936	1.00000	2.48410	412.12000	.00360	.00150	.08230	1.95730	.67020	65.40800
3.000	-2.427	1.00000	2.48290	412.36000	.00360	.00150	.08210	1.96060	.67070	65.44600
3.000	.000	1.00000	2.48120	412.12000	.00370	.00150	.08190	1.96270	.67080	65.40800
3.000	2.504	1.00000	2.48040	412.24000	.00360	.00150	.08220	1.96000	.67060	65.42700
3.000	4.998	1.00000	2.47860	412.24000	.00370	.00150	.08250	1.95610	.67030	65.42700
3.000	9.999	1.00000	2.47840	412.24000	.00370	.00150	.08360	1.94200	.66880	65.42700
3.000	15.038	1.00000	2.47840	412.24000	.00370	.00150	.08560	1.91760	.66640	65.42700
3.000	22.834	1.00000	2.47370	412.24000	.00370	.00150	.09000	1.86410	.66130	65.42700
	GRADIENT	.00000	-.00054	.00495	.00001	-.00000	.00002	-.00012	.00000	.00078

AMES 118-1-87 OA145C 01 (82H081) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 40.000
RN/L = 2.500

RUN NO. 145/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-9.476	1.00000	2.48520	412.12000	.00400	.00160	.07690	1.87500	.66820	65.40800
3.000	-4.936	1.00000	2.47600	412.24000	.00410	.00160	.07600	1.88190	.66910	65.42700
3.000	-2.427	1.00000	2.47990	412.12000	.00410	.00160	.07560	1.88490	.66930	65.40800
3.000	.009	1.00000	2.48030	412.12000	.00410	.00160	.07560	1.88550	.66940	65.40800
3.000	2.524	1.00000	2.48020	412.24000	.00410	.00160	.07570	1.88450	.66930	65.42700
3.000	5.008	1.00000	2.46750	412.12000	.00410	.00160	.07600	1.88280	.66910	65.40800
3.000	9.999	1.00000	2.48300	412.12000	.00410	.00160	.07700	1.87410	.66820	65.40800
	GRADIENT	.00000	.00052	.00001	-.00000	-.00000	-.00004	.00034	.00003	.00000

AMES 118-1-87 OA145C 01 (82H082) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 40.000
RN/L = 2.500

RUN NO. 146/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-22.724	1.00000	2.47220	412.24000	.00380	.00150	.09030	1.84720	.66040	65.42700
3.000	-17.927	1.00000	2.47840	412.12000	.00380	.00150	.08770	1.88030	.66380	65.40800
3.000	-14.914	1.00000	2.47720	412.12000	.00380	.00150	.08630	1.89710	.66560	65.40800
3.000	-9.485	1.00000	2.47330	412.24000	.00380	.00150	.08380	1.92760	.66860	65.42700
3.000	-4.936	1.00000	2.47280	412.12000	.00390	.00150	.08250	1.94710	.67040	65.40800
3.000	-2.417	1.00000	2.47460	412.12000	.00380	.00150	.08210	1.95220	.67110	65.40800
3.000	.027	1.00000	2.47530	412.24000	.00380	.00150	.08190	1.95530	.67130	65.42700
3.000	2.544	1.00000	2.47550	412.12000	.00380	.00150	.08190	1.95580	.67140	65.40800
3.000	5.008	1.00000	2.47460	412.24000	.00380	.00150	.08210	1.95310	.67120	65.42700
3.000	9.999	1.00000	2.47630	412.12000	.00390	.00150	.08290	1.94380	.67030	65.40800
3.000	15.006	1.00000	2.47680	412.12000	.00380	.00150	.08460	1.92370	.66830	65.40800
3.000	22.845	1.00000	2.47290	412.24000	.00380	.00150	.08830	1.87910	.66410	65.42700
	GRADIENT	.00000	.00035	.00474	-.00001	.00000	-.00008	.00117	.00013	.00075

AMES 118-1-87 OA145C 01 (82H083) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 142/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.319	1.00000	2.48100	409.57000	.00350	.00150	.08000	1.98560	.67460	65.00300
3.000	-4.203	1.00000	2.47970	409.57000	.00370	.00160	.08110	1.96900	.67280	65.00300
3.000	-2.107	1.00000	2.48060	409.57000	.00390	.00150	.08200	1.95490	.67100	65.00300
3.000	-1.046	1.00000	2.48100	409.57000	.00370	.00150	.08190	1.95690	.67060	65.00300
3.000	.006	1.00000	2.48060	409.57000	.00360	.00150	.08220	1.95320	.67010	65.00300
3.000	1.104	1.00000	2.47700	409.57000	.00370	.00150	.08210	1.95390	.67030	65.00300
3.000	2.166	1.00000	2.48100	409.57000	.00390	.00150	.08260	1.94720	.67040	65.00300
3.000	3.190	1.00000	2.47520	409.57000	.00390	.00150	.08260	1.94630	.67060	65.00300
3.000	4.242	1.00000	2.48080	409.57000	.00370	.00150	.08230	1.95180	.67150	65.00300
3.000	6.395	1.00000	2.47570	409.57000	.00380	.00150	.08210	1.95440	.67240	65.00300
	GRADIENT	.00000	-.00022	.00000	.00001	-.00001	.00015	-.00210	-.00014	-.00000

AMES 118-1-87 OA145C 01 (B2H084) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 147/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.319	1.00000	2.47200	412.24000	.00300	.00150	.10490	-.30540	.50610	65.42700
3.000	2.549	1.00000	2.47000	412.24000	.00320	.00150	.10240	.19910	.83120	65.42700
3.000	5.025	1.00000	2.47370	412.24000	.00340	.00150	.09770	.76340	.70450	65.42700
3.000	7.574	1.00000	2.46530	412.12000	.00350	.00150	.09250	1.30850	.68370	65.40800
3.000	10.067	1.00000	2.47150	412.24000	.00350	.00150	.08850	1.67990	.67580	65.42700
3.000	12.120	1.00000	2.47260	412.24000	.00370	.00150	.08580	1.85620	.67260	65.42700
3.000	14.135	1.00000	2.46980	412.24000	.00380	.00160	.08330	1.93720	.67090	65.42700
3.000	15.177	1.00000	2.47110	412.24000	.00380	.00150	.08220	1.95110	.67020	65.42700
3.000	16.183	1.00000	2.46820	412.24000	.00400	.00150	.08070	1.96060	.66980	65.42700
3.000	18.213	1.00000	2.46560	412.36000	.00400	.00160	.07820	1.93770	.66930	65.44600
3.000	20.257	1.00000	2.47270	412.36000	.00420	.00160	.07580	1.88180	.66910	65.44600
3.000	22.693	1.00000	2.46940	412.36000	.00440	.00160	.07290	1.79360	.66900	65.44600
3.000	25.422	1.00000	2.46850	412.36000	.00430	.00160	.06950	1.68200	.66920	65.44600
	GRADIENT	.00000	-.00090	.00000	.00009	.00000	-.00112	.22626	.14580	.00000

AMES 118-1-87 OA145C 01 (B2H085) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 2.500

RUN NO. 129/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.305	1.00000	2.50780	405.21000	.00260	.00160	.11880	-.33700	.69780	64.31000
3.000	2.550	1.00000	2.49890	405.33000	.00290	.00150	.11540	.09730	.55280	64.33000
3.000	5.011	1.00000	2.49700	405.45000	.00310	.00150	.11030	.61110	.63530	64.34900
3.000	7.588	1.00000	2.49440	405.33000	.00340	.00150	.10470	1.13120	.64840	64.33000
3.000	10.077	1.00000	2.49100	405.33000	.00320	.00160	.09990	1.50650	.65270	64.33000
3.000	12.145	1.00000	2.48850	405.33000	.00330	.00160	.09710	1.69880	.65540	64.33000
3.000	14.169	1.00000	2.48420	405.33000	.00350	.00160	.09410	1.80060	.65700	64.33000
3.000	15.180	1.00000	2.48190	405.33000	.00360	.00160	.09290	1.82560	.65750	64.33000
3.000	16.169	1.00000	2.48170	405.33000	.00370	.00160	.09140	1.84370	.65830	64.33000
3.000	18.193	1.00000	2.47780	405.21000	.00380	.00160	.08840	1.84520	.66000	64.31000
3.000	20.245	1.00000	2.47960	405.21000	.00410	.00160	.08510	1.81090	.66160	64.31000
3.000	22.750	1.00000	2.47970	405.33000	.00420	.00160	.08070	1.74350	.66360	64.33000
3.000	25.455	1.00000	2.47380	405.33000	.00410	.00160	.07570	1.65140	.66550	64.33000
	GRADIENT	.00000	-.00396	.05345	.00013	-.00004	-.00151	.19343	-.06458	.00891

AMES 118-1-87 OA145C 01 (B2H086) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 2.500

RUN NO. 132/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.326	1.00000	2.48000	409.70000	.00340	.00160	.08940	1.87230	.66320	65.02300
3.000	-4.215	1.00000	2.47310	409.82000	.00360	.00160	.09120	1.84630	.66060	65.04200
3.000	-2.121	1.00000	2.47580	409.82000	.00390	.00160	.09240	1.83020	.65820	65.04200
3.000	-1.046	1.00000	2.47560	409.82000	.00380	.00160	.09210	1.83280	.65800	65.04200
3.000	.009	1.00000	2.47600	409.82000	.00380	.00160	.09260	1.82580	.65750	65.04200
3.000	1.109	1.00000	2.47270	409.82000	.00390	.00160	.09230	1.82930	.65800	65.04200
3.000	2.153	1.00000	2.47360	409.82000	.00390	.00160	.09230	1.82830	.65830	65.04200
3.000	3.214	1.00000	2.46980	409.82000	.00380	.00160	.09200	1.83420	.65920	65.04200
3.000	4.289	1.00000	2.47760	409.82000	.00370	.00160	.09100	1.84730	.66110	65.04200
3.000	6.379	1.00000	2.47180	409.82000	.00370	.00160	.08930	1.86830	.66370	65.04200
	GRADIENT	.00000	-.00005	.00000	.00001	.00000	-.00001	-.00006	.00006	-.00000

AMES 118-1-87 OA145C 01 (B2H087) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 2.500

RUN NO. 131/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.308	1.00000	2.48930	409.94000	.00290	.00150	.11860	-.33500	.69770	65.06100
3.000	2.558	1.00000	2.49270	409.94000	.00310	.00150	.11550	.09240	.54610	65.06100
3.000	5.002	1.00000	2.48680	409.82000	.00330	.00150	.11050	.60650	.63490	65.04200
3.000	7.589	1.00000	2.48450	409.82000	.00350	.00150	.10460	1.13020	.64820	65.04200
3.000	10.079	1.00000	2.48480	409.94000	.00340	.00160	.09980	1.50550	.65280	65.06100
3.000	12.159	1.00000	2.48340	409.82000	.00350	.00160	.09680	1.69860	.65530	65.04200
3.000	14.157	1.00000	2.48520	409.82000	.00370	.00160	.09390	1.79920	.65690	65.04200
3.000	15.192	1.00000	2.48390	409.94000	.00380	.00160	.09270	1.82390	.65730	65.06100
3.000	16.175	1.00000	2.48380	409.82000	.00390	.00160	.09120	1.84390	.65830	65.04200
3.000	18.190	1.00000	2.48270	409.82000	.00410	.00160	.08790	1.84650	.66000	65.04200
3.000	20.247	1.00000	2.48010	409.94000	.00430	.00160	.08490	1.81020	.66170	65.06100
3.000	22.761	1.00000	2.48360	409.82000	.00440	.00160	.08050	1.74260	.66350	65.04200
3.000	25.423	1.00000	2.48300	409.94000	.00430	.00160	.07560	1.65170	.66540	65.06100
	GRADIENT	.00000	.00151	.00000	.00009	.00000	-.00138	.18995	-.06737	-.00000

AMES 118-1-87 OA145C 01 (B2H088) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 70.000
RN/L = 2.500

RUN NO. 135/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-9.503	1.00000	2.49230	414.18000	.00340	.00160	.10150	1.48620	.64930	65.73500
3.000	-4.916	1.00000	2.48430	414.18000	.00340	.00160	.10020	1.50750	.65200	65.73500
3.000	-2.447	1.00000	2.49230	414.18000	.00350	.00160	.09980	1.51390	.65270	65.73500
3.000	.027	1.00000	2.49100	414.18000	.00340	.00160	.09970	1.51650	.65300	65.73500
3.000	2.504	1.00000	2.49210	414.18000	.00350	.00160	.09980	1.51400	.65280	65.73500
3.000	5.008	1.00000	2.48810	414.18000	.00340	.00160	.10020	1.50750	.65210	65.73500
3.000	10.021	1.00000	2.49250	414.18000	.00340	.00160	.10160	1.48530	.64930	65.73500
	GRADIENT	.00000	.00089	-.00000	.00001	.00000	-.00005	.00089	.00011	-.00000

AMES 118-I-87 OA145C 01 (82H089) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 70.000
RN/L = 2.500

RUN NO. 134/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-17.957	1.00000	2.49950	414.30000	.00370	.00160	.09730	1.77680	.65200	65.75400
3.000	-14.990	1.00000	2.49290	414.06000	.00380	.00160	.09620	1.78820	.65320	65.71600
3.000	-9.485	1.00000	2.49860	414.18000	.00390	.00160	.09430	1.80980	.65550	65.73500
3.000	-4.946	1.00000	2.49930	414.30000	.00380	.00160	.09310	1.82520	.65710	65.75400
3.000	-2.427	1.00000	2.49610	414.06000	.00380	.00160	.09280	1.83030	.65770	65.71600
3.000	.018	1.00000	2.49740	414.18000	.00380	.00160	.09270	1.83050	.65770	65.73500
3.000	2.504	1.00000	2.49640	414.30000	.00380	.00160	.09290	1.82860	.65760	65.75400
3.000	4.998	1.00000	2.49700	414.06000	.00380	.00160	.09320	1.82510	.65710	65.71600
3.000	10.010	1.00000	2.49590	414.18000	.00390	.00160	.09460	1.80920	.65540	65.73500
3.000	15.027	1.00000	2.49730	414.18000	.00380	.00160	.09640	1.78940	.65350	65.73500
	GRADIENT	.00000	-.00017	-.00976	.00000	-.00000	.00001	-.00008	-.00000	-.00155

AMES 118-I-87 OA145C 01 (82H090) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 70.000
RN/L = 2.500

RUN NO. 136/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-9.476	1.00000	2.48720	414.18000	.00420	.00160	.08550	1.80630	.66110	65.73500
3.000	-4.926	1.00000	2.49800	414.06000	.00430	.00160	.08490	1.81000	.66150	65.71600
3.000	-2.447	1.00000	2.43760	414.18000	.00430	.00160	.08480	1.81030	.66150	65.73500
3.000	.009	1.00000	2.48580	414.18000	.00420	.00160	.08490	1.81110	.66170	65.73500
3.000	2.534	1.00000	2.48870	414.18000	.00430	.00160	.08490	1.81120	.66170	65.73500
3.000	5.008	1.00000	2.48450	414.06000	.00430	.00160	.08500	1.81010	.66160	65.71600
3.000	10.021	1.00000	2.48450	414.06000	.00420	.00160	.08550	1.80660	.66120	65.71600
	GRADIENT	.00000	.00001	.01447	-.00000	.00000	.00000	.00018	.00003	.00229

AMES 118-1-87 OA145C 01 (B2H091) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 70.000
RN/L = 2.500

RUN NO. 137/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-17.957	1.00000	2.47830	414.18000	.00370	.00160	.09730	1.76860	.65150	65.73500
3.000	-14.947	1.00000	2.48270	414.06000	.00370	.00160	.09630	1.78120	.65300	65.71600
3.000	-9.448	1.00000	2.47810	414.18000	.00380	.00160	.09420	1.80570	.65570	65.73500
3.000	-4.936	1.00000	2.48290	414.06000	.00380	.00160	.09310	1.81890	.65730	65.71600
3.000	-2.437	1.00000	2.48400	414.06000	.00390	.00160	.09260	1.82500	.65800	65.71600
3.000	.009	1.00000	2.48500	414.18000	.00390	.00160	.09220	1.83070	.65850	65.73500
3.000	2.514	1.00000	2.47920	414.18000	.00390	.00160	.09210	1.83180	.65890	65.73500
3.000	5.008	1.00000	2.47610	414.18000	.00390	.00160	.09210	1.83320	.65900	65.73500
3.000	10.031	1.00000	2.47960	414.18000	.00390	.00160	.09280	1.82550	.65840	65.73500
3.000	15.038	1.00000	2.48070	414.18000	.00390	.00160	.09420	1.81070	.65680	65.73500
	GRADIENT	.00000	-.00041	.01931	.00001	-.00000	-.00014	.00179	.00021	.00306

AMES 118-1-87 OA145C 01 (B2H092) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 133/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.309	1.00000	2.47060	409.70000	.00340	.00160	.08930	1.87330	.66330	65.02300
3.000	-4.197	1.00000	2.46710	409.82000	.00360	.00160	.09040	1.85570	.66150	65.04200
3.000	-2.085	1.00000	2.46620	409.82000	.00380	.00160	.09210	1.83190	.65840	65.04200
3.000	-1.046	1.00000	2.46310	409.70000	.00360	.00160	.09230	1.83180	.65790	65.02300
3.000	-.008	1.00000	2.46690	409.82000	.00360	.00160	.09300	1.82340	.65690	65.04200
3.000	1.107	1.00000	2.46610	409.82000	.00370	.00160	.09290	1.82250	.65720	65.04200
3.000	2.173	1.00000	2.46870	409.82000	.00370	.00160	.09330	1.81820	.65720	65.04200
3.000	3.234	1.00000	2.46760	409.82000	.00370	.00160	.09280	1.82340	.65790	65.04200
3.000	4.279	1.00000	2.46840	409.70000	.00370	.00160	.09220	1.83190	.65930	65.02300
3.000	6.410	1.00000	2.46800	409.82000	.00360	.00160	.09110	1.84580	.66130	65.04200
	GRADIENT	.00000	.00030	-.00505	.00001	.00000	.00022	-.00285	-.00024	-.00080

AMES 118-1-87 OA145C 01 (B2H093) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 130/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.317	1.00000	2.48770	409.94000	.00290	.00150	.11910	-.33410	.70380	65.06100
3.000	2.564	1.00000	2.49200	409.94000	.00310	.00150	.11590	.09150	.53080	65.06100
3.000	5.019	1.00000	2.48230	409.82000	.00330	.00150	.11090	.60540	.63190	65.04200
3.000	7.582	1.00000	2.48660	409.82000	.00350	.00150	.10510	1.12140	.64630	65.04200
3.000	10.079	1.00000	2.48770	409.94000	.00340	.00150	.10040	1.49980	.65180	65.06100
3.000	12.175	1.00000	2.48450	409.82000	.00350	.00160	.09740	1.69160	.65440	65.04200
3.000	14.146	1.00000	2.48320	409.82000	.00370	.00160	.09440	1.79310	.65630	65.04200
3.000	15.197	1.00000	2.48970	409.94000	.00370	.00160	.09320	1.81860	.65670	65.06100
3.000	16.161	1.00000	2.48300	409.82000	.00390	.00160	.09170	1.83850	.65770	65.04200
3.000	18.194	1.00000	2.48160	409.82000	.00400	.00160	.08840	1.84120	.65960	65.04200
3.000	20.265	1.00000	2.48010	409.94000	.00430	.00160	.08510	1.80790	.66150	65.06100
3.000	22.776	1.00000	2.48560	409.82000	.00440	.00160	.08070	1.74080	.66340	65.04200
3.000	25.424	1.00000	2.48550	409.94000	.00430	.00160	.07580	1.65060	.66520	65.06100
	GRADIENT	.00000	.00191	.00000	.00009	.00000	-.00142	.18939	-.07698	.00000

AMES 118-1-87 OA145C 01 (B2H094) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	2.500		

RUN NO. 114/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.175	1.00000	2.51740	405.45000	.00260	.00150	.12890	-.39320	.79120	64.34900
3.000	2.544	1.00000	2.50970	405.33000	.00270	.00150	.12550	.03150	-.04170	64.33000
3.000	5.049	1.00000	2.50310	405.33000	.00300	.00150	.12000	.51470	.57050	64.33000
3.000	7.194	1.00000	2.49670	405.33000	.00320	.00150	.11470	.92900	.61230	64.33000
3.000	10.118	1.00000	2.49250	405.21000	.00310	.00150	.10880	1.37770	.63270	64.31000
3.000	12.188	1.00000	2.48820	405.21000	.00330	.00150	.10520	1.58120	.64060	64.31000
3.000	14.164	1.00000	2.48160	405.09000	.00330	.00150	.10210	1.69830	.64520	64.29100
3.000	15.169	1.00000	2.48390	405.21000	.00350	.00160	.10100	1.72860	.64650	64.31000
3.000	16.187	1.00000	2.47930	405.09000	.00360	.00150	.09930	1.75750	.64860	64.29100
3.000	18.198	1.00000	2.47700	405.09000	.00370	.00160	.09520	1.78010	.65260	64.29100
3.000	20.260	1.00000	2.47190	405.09000	.00400	.00160	.09070	1.76530	.65630	64.29100
3.000	21.730	1.00000	2.47110	405.21000	.00410	.00160	.08760	1.73800	.65820	64.31000
3.000	22.743	1.00000	2.48250	407.63000	.00420	.00160	.08550	1.71220	.65930	64.69500
	GRADIENT	.00000	-.00325	-.05064	.00004	.00000	-.00143	.17924	-.35151	-.00802

AMES 118-1-87 OA145C 01 (B2H095) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	2.500		

RUN NO. 120/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.270	1.00000	2.48500	418.91000	.00340	.00150	.10790	1.42150	.64220	66.48600
3.000	-4.199	1.00000	2.48020	418.91000	.00360	.00150	.10940	1.38730	.63550	66.48600
3.000	-2.065	1.00000	2.49280	418.91000	.00370	.00150	.10910	1.38170	.63350	66.48600
3.000	-1.012	1.00000	2.49560	418.79000	.00360	.00150	.10860	1.38050	.63320	66.46600
3.000	.066	1.00000	2.50010	418.91000	.00360	.00150	.10820	1.38380	.63320	66.48600
3.000	1.116	1.00000	2.49410	418.91000	.00360	.00150	.10820	1.38670	.63350	66.48600
3.000	2.169	1.00000	2.49770	418.91000	.00370	.00150	.10890	1.37900	.63340	66.48600
3.000	3.203	1.00000	2.49590	418.91000	.00370	.00150	.10890	1.38060	.63460	66.48600
3.000	4.254	1.00000	2.49430	418.91000	.00370	.00150	.10900	1.38130	.63510	66.48600
3.000	6.387	1.00000	2.49090	418.79000	.00370	.00150	.10740	1.40890	.64210	66.46600
	GRADIENT	.00000	.00135	.00313	.00001	.00000	-.00004	-.00055	.00000	.00052

AMES 118-1-87 OA145C 01 (B2H096) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 118/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.387	1.00000	2.47580	416.61000	.00360	.00150	.09520	1.81170	.65560	66.12000
3.000	-4.280	1.00000	2.47420	416.61000	.00370	.00160	.09790	1.77810	.65200	66.12000
3.000	-2.179	1.00000	2.47640	416.61000	.00400	.00150	.10020	1.74910	.64840	66.12000
3.000	-1.128	1.00000	2.47530	416.61000	.00400	.00150	.10000	1.75090	.64800	66.12000
3.000	-.058	1.00000	2.48170	416.61000	.00400	.00150	.10120	1.73800	.64670	66.12000
3.000	1.001	1.00000	2.48880	416.61000	.00400	.00150	.10040	1.74730	.64800	66.12000
3.000	2.075	1.00000	2.49030	416.49000	.00400	.00150	.10000	1.74970	.64870	66.10100
3.000	3.136	1.00000	2.49150	416.61000	.00390	.00150	.09920	1.75940	.64960	66.12000
3.000	4.197	1.00000	2.49170	416.61000	.00390	.00150	.09790	1.77510	.65220	66.12000
3.000	6.304	1.00000	2.48820	416.61000	.00380	.00150	.09540	1.80430	.65560	66.12000
	GRADIENT	.00000	.00255	-.00370	.00001	-.00001	-.00002	-.00006	.00005	-.00059

AMES 118-1-87 OA145C 01 (B2H097) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 117/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.277	1.00000	2.48790	416.61000	.00370	.00150	.08260	1.82780	.66350	66.12000
3.000	-4.176	1.00000	2.48190	416.61000	.00380	.00150	.08560	1.80420	.66060	66.12000
3.000	-2.054	1.00000	2.48510	416.73000	.00400	.00150	.09040	1.76550	.65610	66.13900
3.000	-.995	1.00000	2.48700	416.61000	.00420	.00160	.09100	1.76010	.65540	66.12000
3.000	.066	1.00000	2.48530	416.61000	.00420	.00160	.09020	1.76650	.65630	66.12000
3.000	1.134	1.00000	2.48510	416.73000	.00430	.00150	.09100	1.76060	.65580	66.13900
3.000	2.178	1.00000	2.48420	416.61000	.00420	.00150	.09030	1.76860	.65640	66.12000
3.000	3.241	1.00000	2.48790	416.61000	.00400	.00150	.08840	1.78600	.65850	66.12000
3.000	4.251	1.00000	2.48150	416.61000	.00390	.00150	.08610	1.80570	.66100	66.12000
3.000	6.340	1.00000	2.48130	416.61000	.00380	.00150	.08330	1.83020	.66390	66.12000
	GRADIENT	.00000	.00008	-.00395	.00001	-.00000	-.00000	.00072	.00010	-.00063

AMES 118-1-87 OA145C 01 (B2H098) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 115/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.323	1.00000	2.46750	407.63000	.00270	.00150	.13020	-.36270	.79920	64.69500
3.000	2.550	1.00000	2.46510	407.63000	.00280	.00150	.12610	.02880	-.06410	64.69500
3.000	5.038	1.00000	2.46130	407.63000	.00290	.00150	.11980	.51590	.57290	64.69500
3.000	7.769	1.00000	2.47130	407.63000	.00310	.00150	.11380	1.02400	.61860	64.69500
3.000	10.189	1.00000	2.46500	407.51000	.00320	.00150	.10910	1.37610	.63320	64.67600
3.000	12.229	1.00000	2.46850	407.51000	.00340	.00150	.10550	1.57290	.64050	64.67600
3.000	14.234	1.00000	2.46880	407.63000	.00350	.00150	.10170	1.69670	.64590	64.69500
3.000	15.262	1.00000	2.46280	407.51000	.00360	.00150	.09980	1.74010	.64840	64.67600
3.000	16.274	1.00000	2.46310	407.63000	.00360	.00150	.09800	1.76490	.65020	64.69500
3.000	18.221	1.00000	2.46230	407.51000	.00380	.00150	.09420	1.78380	.65360	64.67600
3.000	20.373	1.00000	2.49490	414.55000	.00410	.00150	.09000	1.76370	.65650	65.79300
3.000	22.882	1.00000	2.49940	414.55000	.00440	.00150	.08490	1.70760	.65950	65.79300
3.000	25.485	1.00000	2.49150	414.30000	.00440	.00150	.07900	1.63080	.66270	65.75400
	GRADIENT	.00000	-.00108	-.00001	.00004	.00000	-.00184	.17575	-.38755	.00000

AMES 118-1-87 OA145C 01 (B2H099) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 2.500

RUN NO. 121/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-9.494	1.00000	2.48950	418.91000	.00340	.00150	.10960	1.36380	.63050	66.48600
3.000	-4.926	1.00000	2.48500	418.91000	.00350	.00150	.10880	1.37560	.63240	66.48600
3.000	-2.417	1.00000	2.48950	418.91000	.00350	.00150	.10850	1.38000	.63300	66.48600
3.000	.009	1.00000	2.48880	418.91000	.00350	.00150	.10840	1.38480	.63330	66.48600
3.000	2.514	1.00000	2.49150	418.91000	.00350	.00150	.10850	1.38150	.63320	66.48600
3.000	5.008	1.00000	2.48680	418.91000	.00340	.00150	.10880	1.37800	.63260	66.48600
3.000	10.010	1.00000	2.48830	418.79000	.00350	.00150	.10970	1.36440	.63080	66.46600
	GRADIENT	.00000	.00076	-.00000	.00000	-.00000	-.00004	.00091	.00011	.00000

AMES 118-1-87 OA145C 01 (B2H0A0) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 2.500

RUN NO. 122/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-17.937	1.00000	2.48460	418.91000	.00370	.00150	.10250	1.71200	.64470	66.48600
3.000	-14.968	1.00000	2.47950	418.91000	.00370	.00150	.10210	1.71670	.64520	66.48600
3.000	-9.494	1.00000	2.47540	418.91000	.00400	.00150	.10110	1.72520	.64620	66.48600
3.000	-4.926	1.00000	2.47760	418.91000	.00400	.00150	.10040	1.73400	.64700	66.48600
3.000	-2.447	1.00000	2.48090	418.91000	.00400	.00150	.10010	1.73630	.64730	66.48600
3.000	.018	1.00000	2.48130	418.91000	.00400	.00150	.10010	1.73730	.64720	66.48600
3.000	2.534	1.00000	2.47820	418.91000	.00400	.00150	.10020	1.73540	.64720	66.48600
3.000	5.028	1.00000	2.47640	418.91000	.00390	.00160	.10060	1.73230	.64700	66.48600
3.000	10.021	1.00000	2.47910	418.91000	.00390	.00150	.10120	1.72660	.64620	66.48600
3.000	15.038	1.00000	2.48840	418.91000	.00380	.00150	.10210	1.71900	.64550	66.48600
	GRADIENT	.00000	.00009	-.00000	-.00000	-.00000	-.00002	.00021	.00002	.00000

AMES 118-1-87 OA145C 01 (B2H0A1) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 2.500

RUN NO. 123/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-9.503	1.00000	2.49170	418.91000	.00430	.00160	.09030	1.76700	.65640	66.48600
3.000	-4.936	1.00000	2.48730	419.03000	.00430	.00160	.09020	1.76730	.65640	66.50500
3.000	-2.437	1.00000	2.49080	418.91000	.00430	.00160	.09020	1.76790	.65650	66.48600
3.000	.009	1.00000	2.48720	418.91000	.00440	.00160	.09010	1.76840	.65650	66.48600
3.000	2.524	1.00000	2.48860	418.91000	.00440	.00160	.09020	1.76750	.65650	66.48600
3.000	5.008	1.00000	2.49170	418.91000	.00430	.00160	.09020	1.76810	.65660	66.48600
3.000	10.031	1.00000	2.48720	418.91000	.00430	.00160	.09020	1.76870	.65670	66.48600
	GRADIENT	.00000	.00001	-.01451	.00002	-.00000	-.00000	.00004	.00001	-.00230

AMES 118-1-87 OA145C 01 (B2H0A2) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	2.500		

RUN NO. 124/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-9.512	1.00000	2.48040	418.91000	.00370	.00150	.10080	1.72780	.64690	66.48600
3.000	-4.916	1.00000	2.48260	418.91000	.00380	.00150	.10000	1.73810	.64820	66.48600
3.000	-2.447	1.00000	2.48530	418.91000	.00380	.00150	.09970	1.74100	.64860	66.48600
3.000	.000	1.00000	2.48040	418.91000	.00380	.00150	.09940	1.74610	.64910	66.48600
3.000	2.504	1.00000	2.48310	418.91000	.00410	.00150	.09900	1.74700	.64940	66.48600
3.000	5.038	1.00000	2.47490	418.79000	.00410	.00150	.09910	1.74670	.64940	66.46600
3.000	10.010	1.00000	2.48000	418.91000	.00410	.00150	.09940	1.74460	.64920	66.48600
	GRADIENT	.00000	-.00014	-.00000	.00004	-.00000	-.00013	.00129	.00017	.00000

AMES 118-1-87 OA145C 01 (B2H0A3) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 119/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.368	1.00000	2.48440	416.61000	.00350	.00150	.09320	1.83410	.65770	66.12000
3.000	-4.279	1.00000	2.48440	416.61000	.00370	.00160	.09700	1.78730	.65320	66.12000
3.000	-2.187	1.00000	2.48060	416.49000	.00380	.00150	.10010	1.75170	.64850	66.10100
3.000	-1.134	1.00000	2.48130	416.61000	.00380	.00150	.10010	1.75120	.64790	66.12000
3.000	-.055	1.00000	2.47780	416.61000	.00380	.00150	.10140	1.73740	.64660	66.12000
3.000	1.006	1.00000	2.47800	416.61000	.00380	.00150	.10050	1.74640	.64770	66.12000
3.000	2.064	1.00000	2.48220	416.61000	.00390	.00150	.10060	1.74480	.64790	66.12000
3.000	3.137	1.00000	2.47370	416.49000	.00370	.00150	.09990	1.75300	.64860	66.10100
3.000	4.201	1.00000	2.47620	416.61000	.00370	.00150	.09890	1.76550	.65080	66.12000
3.000	6.304	1.00000	2.47510	416.61000	.00360	.00150	.09730	1.78360	.65330	66.12000
	GRADIENT	.00000	-.00094	-.00056	-.00000	-.00001	.00017	-.00208	-.00022	-.00009

AMES 118-1-87 OA145C 01 (B2H0A4) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = -5.000
RN/L = 2.500

RUN NO. 116/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.170	1.00000	2.48070	414.18000	.00300	.00150	.12900	-.39150	.79300	65.73500
3.000	2.564	1.00000	2.48060	414.30000	.00320	.00150	.12550	.03410	-.02570	65.75400
3.000	5.011	1.00000	2.47570	414.30000	.00330	.00150	.12030	.50430	.56680	65.75400
3.000	7.792	1.00000	2.47680	414.18000	.00350	.00150	.11380	1.02620	.61670	65.73500
3.000	10.088	1.00000	2.47810	414.18000	.00360	.00150	.10900	1.36700	.63210	65.73500
3.000	12.131	1.00000	2.47610	414.18000	.00360	.00150	.10540	1.57280	.64000	65.73500
3.000	14.150	1.00000	2.47610	414.30000	.00370	.00150	.10190	1.69470	.64470	65.75400
3.000	15.176	1.00000	2.47340	414.18000	.00380	.00150	.10100	1.72360	.64610	65.73500
3.000	16.181	1.00000	2.47830	414.18000	.00390	.00150	.09900	1.75790	.64870	65.73500
3.000	18.199	1.00000	2.48670	414.18000	.00400	.00160	.09450	1.78270	.65270	65.73500
3.000	20.250	1.00000	2.48600	414.18000	.00430	.00160	.09050	1.76510	.65620	65.73500
3.000	22.757	1.00000	2.49500	416.49000	.00440	.00160	.08530	1.71140	.65940	66.10100
3.000	25.431	1.00000	2.49320	416.49000	.00430	.00160	.07950	1.63110	.66230	66.10100
	GRADIENT	.00000	-.00004	.05013	.00008	.00000	-.00146	.17780	-.34202	.00794

AMES 118-1-87 OA145C 01 (B2H0A5) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 125/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-11.772	1.00000	2.48090	418.91000	.00380	.00150	.09970	1.72900	.64110	66.48600
3.000	-8.031	1.00000	2.47840	418.79000	.00380	.00150	.09970	1.73230	.64250	66.46600
3.000	-3.894	1.00000	2.47710	418.91000	.00390	.00160	.09970	1.73620	.64470	66.48600
3.000	.029	1.00000	2.47730	418.79000	.00390	.00160	.10020	1.73890	.64730	66.46600
3.000	3.996	1.00000	2.47690	418.91000	.00400	.00150	.10100	1.73820	.65060	66.48600
3.000	7.980	1.00000	2.47730	418.79000	.00400	.00160	.10230	1.73600	.65460	66.46600
3.000	12.090	1.00000	2.47900	418.79000	.00400	.00160	.10400	1.73110	.65930	66.46600
3.000	16.349	1.00000	2.47490	418.91000	.00410	.00160	.10620	1.72220	.66420	66.48600
3.000	22.613	1.00000	2.47670	418.91000	.00400	.00150	.10970	1.70800	.67030	66.48600
	GRADIENT	.00000	-.00003	.00006	.00001	-.00001	.00016	.00025	.00075	.00001

AMES 118-1-87 OA145C 01 (B2H0A6) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = -11.700 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 159/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-22.758	1.00000	2.48230	415.52000	.00370	.00160	.09360	1.79970	.64970	65.94700
3.000	-17.947	1.00000	2.48140	415.52000	.00340	.00160	.09120	1.83030	.65280	65.94700
3.000	-14.947	1.00000	2.48070	415.52000	.00330	.00160	.08970	1.84830	.65480	65.94700
3.000	-9.467	1.00000	2.47390	415.52000	.00340	.00160	.08720	1.88010	.65770	65.94700
3.000	-4.936	1.00000	2.47060	415.52000	.00370	.00160	.08590	1.89390	.65920	65.94700
3.000	-2.447	1.00000	2.47520	415.52000	.00370	.00160	.08570	1.89720	.65960	65.94700
3.000	.018	1.00000	2.47630	415.52000	.00370	.00160	.08560	1.89720	.65970	65.94700
3.000	2.534	1.00000	2.48030	415.52000	.00370	.00160	.08580	1.89590	.65960	65.94700
3.000	5.008	1.00000	2.48070	415.52000	.00370	.00160	.08620	1.89200	.65930	65.94700
3.000	9.999	1.00000	2.47830	415.52000	.00370	.00160	.08740	1.87690	.65770	65.94700
	GRADIENT	.00000	.00121	-.00000	.00000	.00000	-.00002	.00024	.00005	-.00000

AMES 118-1-87 OA145C 01 (B2H0A7) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = 16.300 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 158/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-22.746	1.00000	2.47200	415.64000	.00380	.00160	.10030	1.78750	.67210	65.96600
3.000	-17.917	1.00000	2.47150	415.52000	.00380	.00160	.09780	1.81500	.67500	65.94700
3.000	-14.968	1.00000	2.46560	415.52000	.00390	.00160	.09620	1.83290	.67670	65.94700
3.000	-9.457	1.00000	2.46870	415.64000	.00390	.00160	.09390	1.86020	.67950	65.96600
3.000	-4.956	1.00000	2.47040	415.52000	.00390	.00160	.09280	1.87380	.68080	65.94700
3.000	-2.437	1.00000	2.45990	415.64000	.00390	.00160	.09240	1.87780	.68100	65.96600
3.000	.036	1.00000	2.46370	415.64000	.00390	.00160	.09230	1.87780	.68120	65.96600
3.000	2.524	1.00000	2.47150	415.52000	.00390	.00160	.09260	1.87700	.68110	65.94700
3.000	5.008	1.00000	2.47170	415.52000	.00390	.00160	.09290	1.87420	.68080	65.94700
3.000	9.999	1.00000	2.47370	415.52000	.00380	.00160	.09430	1.85930	.67930	65.94700
	GRADIENT	.00000	.00028	.00006	.00000	-.00000	-.00003	.00039	.00004	.00001

AMES 118-1-87 OA145C 01 (B2H0A8) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 160/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.321	1.00000	2.47150	415.52000	.00370	.00160	.08250	1.93690	.66520	65.94700
3.000	-4.230	1.00000	2.47320	415.52000	.00380	.00160	.08410	1.91370	.66270	65.94700
3.000	-2.117	1.00000	2.47350	415.52000	.00380	.00160	.08550	1.89590	.66040	65.94700
3.000	-.991	1.00000	2.47480	415.52000	.00380	.00160	.08540	1.89730	.65990	65.94700
3.000	-.000	1.00000	2.47410	415.40000	.00360	.00160	.08590	1.89210	.65910	65.92700
3.000	1.113	1.00000	2.46970	415.52000	.00370	.00160	.08590	1.89100	.65940	65.94700
3.000	2.146	1.00000	2.47720	415.52000	.00370	.00160	.08660	1.88340	.65930	65.94700
3.000	3.211	1.00000	2.46730	415.88000	.00380	.00160	.08630	1.88600	.65960	66.00400
3.000	4.252	1.00000	2.47640	416.61000	.00380	.00160	.08590	1.89040	.66080	66.12000
3.000	6.375	1.00000	2.47540	416.73000	.00380	.00160	.08540	1.89760	.66220	66.13900
	GRADIENT	.00000	-.00006	.09309	-.00000	.00000	.00022	-.00279	-.00023	.01477

AMES 118-1-87 OA145C 01 (B2H0A9) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 162/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.303	1.00000	2.48290	418.55000	.00380	.00160	.08930	1.91710	.68680	66.42800
3.000	-4.215	1.00000	2.48290	418.55000	.00390	.00160	.09080	1.89640	.68430	66.42800
3.000	-2.112	1.00000	2.47940	418.55000	.00410	.00160	.09200	1.87860	.68200	66.42800
3.000	-.983	1.00000	2.48530	418.55000	.00410	.00160	.09190	1.87890	.68150	66.42800
3.000	-.005	1.00000	2.48400	418.55000	.00400	.00160	.09260	1.87140	.68080	66.42800
3.000	1.120	1.00000	2.48190	418.43000	.00400	.00160	.09240	1.87390	.68100	66.40900
3.000	2.141	1.00000	2.47670	418.43000	.00400	.00160	.09300	1.86750	.68090	66.40900
3.000	3.196	1.00000	2.47710	418.43000	.00380	.00160	.09290	1.87040	.68140	66.40900
3.000	4.261	1.00000	2.47650	418.55000	.00410	.00160	.09240	1.87510	.68250	66.42800
3.000	6.366	1.00000	2.47800	418.43000	.00410	.00150	.09200	1.88010	.68400	66.40900
	GRADIENT	.00000	-.00084	-.01111	-.00000	.00000	.00021	-.00247	-.00021	-.00176

AMES 11B-1-87 OA145C 01 (B2H0B0) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 154/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-14.942	1.00000	2.48150	413.58000	.00320	.00150	.08660	1.80810	.63620	65.63900
3.000	-12.947	1.00000	2.47970	413.46000	.00330	.00150	.08590	1.82350	.63890	65.61900
3.000	-9.964	1.00000	2.47580	413.58000	.00340	.00150	.08500	1.84710	.64290	65.63900
3.000	-7.947	1.00000	2.47660	413.46000	.00340	.00150	.08490	1.85920	.64580	65.61900
3.000	-4.943	1.00000	2.47540	413.33000	.00350	.00150	.08490	1.87620	.65050	65.60000
3.000	-3.929	1.00000	2.47930	413.46000	.00350	.00160	.08500	1.87890	.65220	65.61900
3.000	-1.920	1.00000	2.47410	413.33000	.00350	.00160	.08540	1.88830	.65570	65.60000
3.000	.041	1.00000	2.47840	413.58000	.00340	.00160	.08610	1.89510	.65940	65.63900
3.000	2.041	1.00000	2.47280	413.33000	.00340	.00160	.08700	1.89880	.66340	65.60000
3.000	4.032	1.00000	2.46780	413.46000	.00350	.00150	.08810	1.89890	.66730	65.61900
3.000	6.016	1.00000	2.47220	413.46000	.00340	.00150	.08890	1.89960	.66950	65.61900
3.000	8.018	1.00000	2.47060	413.33000	.00340	.00160	.09150	1.89770	.67610	65.60000
3.000	10.026	1.00000	2.46730	413.46000	.00320	.00150	.09410	1.89010	.68080	65.61900
	GRADIENT	.00000	-.00087	.00698	-.00001	-.00000	.00036	.00275	.00188	.00105

AMES 118-1-87 OA145C 01 (82H081) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 1537 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-14.948	1.00000	2.47540	412.36000	.00360	.00160	.09270	1.79600	.66040	65.44600
3.000	-12.964	1.00000	2.47660	412.12000	.00370	.00160	.09230	1.80980	.66270	65.40800
3.000	-9.944	1.00000	2.46850	412.00000	.00370	.00150	.09160	1.83050	.66620	65.38800
3.000	-7.942	1.00000	2.47440	412.12000	.00380	.00150	.09130	1.84300	.66880	65.40800
3.000	-6.474	1.00000	2.47900	412.00000	.00380	.00160	.09120	1.85090	.67060	65.38800
3.000	-4.943	1.00000	2.48490	412.24000	.00390	.00160	.09130	1.85840	.67280	65.42700
3.000	-3.931	1.00000	2.48550	412.97000	.00390	.00150	.09150	1.86140	.67450	65.54200
3.000	-1.949	1.00000	2.48350	413.58000	.00390	.00160	.09190	1.86980	.67750	65.63900
3.000	.023	1.00000	2.48640	413.46000	.00380	.00160	.09250	1.87640	.68090	65.61900
3.000	2.038	1.00000	2.48800	413.70000	.00390	.00160	.09340	1.88040	.68440	65.65800
3.000	4.030	1.00000	2.48350	413.46000	.00390	.00160	.09470	1.88360	.68810	65.61900
3.000	5.025	1.00000	2.47580	413.58000	.00390	.00160	.09540	1.88450	.69000	65.63900
3.000	8.027	1.00000	2.48060	413.58000	.00380	.00160	.09830	1.88120	.69610	65.63900
3.000	10.021	1.00000	2.48150	413.58000	.00380	.00150	.10090	1.87340	.70030	65.63900
	GRADIENT	.00000	.00005	.11844	-.00000	.00001	.00036	.00291	.00170	.01867

AMES 118-1-87 OA145C 01 (B2H082) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	10.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 156/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-11.772	1.00000	2.47900	415.64000	.00330	.00160	.09400	1.89120	.68080	65.96600
3.000	-8.031	1.00000	2.48110	415.76000	.00340	.00160	.09390	1.89350	.68200	65.98500
3.000	-5.979	1.00000	2.47900	415.64000	.00340	.00160	.09400	1.89470	.68290	65.96600
3.000	-3.894	1.00000	2.48150	415.64000	.00340	.00160	.09420	1.89600	.68380	65.96600
3.000	-2.011	1.00000	2.47380	415.64000	.00350	.00160	.09430	1.89730	.68500	65.96600
3.000	.049	1.00000	2.47990	415.64000	.00350	.00160	.09460	1.89760	.68610	65.96600
3.000	1.960	1.00000	2.47770	415.64000	.00350	.00160	.09490	1.89720	.68750	65.96600
3.000	4.007	1.00000	2.47750	415.64000	.00350	.00160	.09540	1.89730	.68900	65.96600
3.000	6.020	1.00000	2.47200	415.64000	.00390	.00160	.09560	1.89570	.69050	65.96600
3.000	8.020	1.00000	2.47770	415.64000	.00390	.00160	.09640	1.89310	.69230	65.96600
3.000	12.090	1.00000	2.47290	415.64000	.00400	.00160	.09830	1.88430	.69620	65.96600
3.000	16.328	1.00000	2.47200	415.64000	.00400	.00160	.10050	1.87530	.70040	65.96600
3.000	22.585	1.00000	2.47440	415.64000	.00410	.00160	.10370	1.85960	.70530	65.96600
	GRADIENT	.00000	-.00020	.00000	.00001	.00000	.00015	.00013	.00065	.00000

AMES 118-1-87 OA145C 01 (B2H083) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	YMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-10.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 157/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-11.761	1.00000	2.47460	415.52000	.00360	.00160	.08490	1.84610	.64300	65.94700
3.000	-8.031	1.00000	2.47590	415.52000	.00370	.00160	.08480	1.84940	.64440	65.94700
3.000	-5.979	1.00000	2.47380	415.64000	.00380	.00160	.08470	1.85230	.64540	65.96600
3.000	-3.894	1.00000	2.47220	415.64000	.00390	.00160	.08480	1.85470	.64670	65.96600
3.000	-1.980	1.00000	2.47110	415.64000	.00380	.00160	.08500	1.85490	.64780	65.96600
3.000	.000	1.00000	2.47680	415.64000	.00380	.00160	.08540	1.85450	.64930	65.96600
3.000	1.960	1.00000	2.46670	415.64000	.00390	.00160	.08560	1.85610	.65090	65.96600
3.000	4.007	1.00000	2.47070	415.64000	.00380	.00160	.08620	1.85370	.65270	65.96600
3.000	5.990	1.00000	2.46950	415.52000	.00380	.00160	.08670	1.85310	.65460	65.94700
3.000	8.030	1.00000	2.47130	415.52000	.00380	.00160	.08730	1.85160	.65660	65.94700
3.000	12.080	1.00000	2.46960	415.64000	.00380	.00160	.08920	1.84400	.66140	65.96600
3.000	16.349	1.00000	2.47150	415.52000	.00380	.00160	.09140	1.83310	.66650	65.94700
3.000	22.613	1.00000	2.46880	415.52000	.00380	.00160	.09490	1.81430	.67320	65.94700
	GRADIENT	.00000	-.00037	.00000	-.00001	-.00000	.00017	-.00004	.00077	-.00000

AMES 11B-1-87 OA145C 01 (B2H084) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 180/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.322	1.00000	2.50510	419.52000	.00280	.00150	.11260	-.48640	.71500	66.58200
3.000	2.585	1.00000	2.49910	419.03000	.00300	.00150	.10890	-.02170	-.69640	66.50500
3.000	4.981	1.00000	2.50160	419.16000	.00330	.00150	.10360	.50920	.59770	66.52400
3.000	7.582	1.00000	2.50350	419.03000	.00340	.00150	.09720	1.07950	.62800	66.50500
3.000	10.119	1.00000	2.50220	419.03000	.00330	.00150	.09270	1.49110	.63550	66.50500
3.000	12.147	1.00000	2.50030	418.91000	.00340	.00150	.08960	1.69460	.63940	66.48600
3.000	14.160	1.00000	2.49720	418.91000	.00360	.00160	.08660	1.80990	.64190	66.48600
3.000	15.185	1.00000	2.49830	418.91000	.00360	.00150	.08510	1.84240	.64270	66.48600
3.000	16.166	1.00000	2.49920	418.91000	.00360	.00160	.08360	1.86460	.64400	66.48600
3.000	18.206	1.00000	2.49750	418.91000	.00390	.00160	.08030	1.86850	.64610	66.48600
3.000	20.235	1.00000	2.49340	418.91000	.00420	.00160	.07710	1.83420	.64790	66.48600
3.000	22.753	1.00000	2.49430	418.79000	.00440	.00160	.07260	1.76450	.64960	66.48600
3.000	25.473	1.00000	2.49120	418.91000	.00430	.00160	.06750	1.66920	.65130	66.48600
	GRADIENT	.00000	-.00073	-.07598	.00011	.00000	-.00193	.21376	-.01962	-.01225

AMES 118-I-87 OA145C 01 (B2H0B5) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 BDFLAP = 16.300
SPOBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 181/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.334	1.00000	2.48820	418.67000	.00280	.00150	.11470	-.39280	.64130	66.44700
3.000	2.527	1.00000	2.48220	418.91000	.00310	.00150	.11160	.06190	.71910	66.48600
3.000	4.994	1.00000	2.47960	418.67000	.00340	.00150	.10680	.60260	.67120	66.44700
3.000	7.590	1.00000	2.48160	418.67000	.00370	.00150	.10130	1.14140	.66800	66.44700
3.000	10.053	1.00000	2.48080	418.79000	.00360	.00150	.09710	1.51690	.66620	66.46600
3.000	12.150	1.00000	2.47770	418.67000	.00370	.00160	.09460	1.71010	.66630	66.44700
3.000	14.154	1.00000	2.47860	418.79000	.00390	.00160	.09220	1.80910	.66660	66.46600
3.000	15.216	1.00000	2.47940	418.67000	.00390	.00160	.09120	1.83200	.66640	66.44700
3.000	16.186	1.00000	2.48210	418.67000	.00390	.00160	.09020	1.84830	.66680	66.44700
3.000	18.191	1.00000	2.47300	418.67000	.00420	.00160	.08780	1.84140	.66760	66.44700
3.000	20.240	1.00000	2.47860	418.67000	.00440	.00160	.08530	1.80350	.66830	66.44700
3.000	22.747	1.00000	2.47300	418.67000	.00450	.00160	.08220	1.72970	.66890	66.44700
3.000	25.420	1.00000	2.47480	418.67000	.00440	.00160	.07860	1.63530	.66970	66.44700
	GRADIENT	.00000	-.00183	-.00202	.00013	-.00000	-.00170	.21370	.00588	-.00033

AMES 118-1-87 OA145C 01 (B2H0B6) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 183/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.324	1.00000	2.47420	420.13000	.00330	.00150	.11330	-.16610	.29260	66.67800
3.000	2.507	1.00000	2.46810	420.13000	.00350	.00150	.11110	.28750	.82890	66.67800
3.000	5.000	1.00000	2.47030	420.13000	.00370	.00150	.10680	.81210	.72130	66.67800
3.000	7.570	1.00000	2.47600	420.13000	.00370	.00150	.10190	1.31290	.69830	66.67800
3.000	10.055	1.00000	2.47180	420.13000	.00370	.00150	.09870	1.64120	.68830	66.67800
3.000	12.140	1.00000	2.47810	420.00000	.00370	.00160	.09660	1.80160	.68430	66.65900
3.000	14.179	1.00000	2.48190	420.13000	.00380	.00160	.09470	1.87350	.68190	66.67800
3.000	15.198	1.00000	2.47620	420.13000	.00350	.00160	.09390	1.88880	.68070	66.67800
3.000	16.222	1.00000	2.48320	420.13000	.00370	.00160	.09280	1.89310	.68030	66.67800
3.000	18.216	1.00000	2.47710	420.13000	.00420	.00160	.09100	1.86720	.67980	66.67800
3.000	20.251	1.00000	2.47750	420.13000	.00430	.00160	.08920	1.81750	.67950	66.67800
3.000	22.762	1.00000	2.48410	420.13000	.00450	.00160	.08700	1.73160	.67910	66.67800
3.000	25.442	1.00000	2.48320	420.13000	.00450	.00160	.08420	1.63000	.67930	66.67800
	GRADIENT	.00000	-.00079	.00000	.00009	.00000	-.00140	.20923	.08850	-.00000

AMES 118-1-87 OA145C 01 (82H087) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 182/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.310	1.00000	2.47100	418.55000	.00310	.00150	.11600	-.07850	-.60610	66.42800
3.000	2.510	1.00000	2.47290	418.79000	.00330	.00150	.11410	.38130	.88330	66.46600
3.000	4.992	1.00000	2.47060	418.67000	.00350	.00160	.11050	.89190	.75900	66.44700
3.000	7.606	1.00000	2.46980	418.67000	.00370	.00150	.10640	1.36350	.72570	66.44700
3.000	10.062	1.00000	2.46520	418.67000	.00370	.00160	.10390	1.66470	.71160	66.44700
3.000	12.201	1.00000	2.46950	418.55000	.00370	.00160	.10240	1.80790	.70550	66.42800
3.000	14.136	1.00000	2.46800	418.67000	.00380	.00160	.10130	1.86850	.70200	66.44700
3.000	15.188	1.00000	2.47100	418.55000	.00380	.00160	.10120	1.87290	.70040	66.42800
3.000	16.199	1.00000	2.46280	418.55000	.00380	.00160	.10050	1.87160	.69960	66.42800
3.000	18.207	1.00000	2.45920	418.79000	.00410	.00160	.09960	1.84030	.69820	66.46600
3.000	20.224	1.00000	2.46850	419.52000	.00430	.00160	.09850	1.78830	.69700	66.58200
3.000	22.782	1.00000	2.46050	419.16000	.00470	.00160	.09730	1.69930	.69610	66.52400
3.000	25.440	1.00000	2.47450	420.37000	.00470	.00160	.09580	1.59840	.69550	66.71700
	GRADIENT	.00000	-.00010	.02405	.00009	.00002	-.00118	.20722	.28428	.00381

AMES 118-1-87 OA145C 01 (82H088) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELV-OB = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RUDDER = .000 RN/L = 2.500

RUN NO. 163/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-3.951	1.00000	2.47320	418.55000	.00390	.00160	.08590	1.89350	.66120	66.42800
3.000	-1.937	1.00000	2.47710	418.43000	.00380	.00160	.08600	1.90010	.66340	66.40900
3.000	.028	1.00000	2.48820	418.55000	.00380	.00160	.08640	1.90440	.66570	66.42800
3.000	2.014	1.00000	2.48820	418.55000	.00380	.00160	.08690	1.90810	.66810	66.42800
3.000	4.010	1.00000	2.48750	418.55000	.00380	.00160	.08720	1.91150	.67050	66.42800
	GRADIENT	.00000	.00200	.00599	-.00001	.00000	.00018	.00221	.00117	.00095

AMES 118-1-87 OA145C 01 (B2H0B9) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-OB =	5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 164/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	1.016	1.00000	2.48330	418.55000	.00370	.00160	.08820	1.90410	.67060	66.42800
3.000	3.022	1.00000	2.48930	418.55000	.00380	.00160	.08850	1.90920	.67300	66.42800
3.000	5.016	1.00000	2.48620	418.55000	.00390	.00160	.08910	1.90940	.67540	66.42800
3.000	7.007	1.00000	2.48660	418.55000	.00390	.00160	.08980	1.91240	.67810	66.42800
3.000	9.023	1.00000	2.48530	418.43000	.00390	.00160	.09090	1.91000	.68070	66.40900
	GRADIENT	.00000	.00299	.00000	.00005	.00000	.00015	.00254	.00120	.00000

AMES 118-1-87 OA145C 01 (B2H0C0) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-OB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 165/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-8.942	1.00000	2.48970	418.43000	.00390	.00160	.08520	1.87160	.65330	66.40900
3.000	-6.950	1.00000	2.48360	418.55000	.00400	.00160	.08510	1.87770	.65510	66.42800
3.000	-4.927	1.00000	2.48460	418.43000	.00400	.00160	.08520	1.88390	.65700	66.40900
3.000	-2.960	1.00000	2.48260	418.55000	.00400	.00160	.08530	1.89040	.65900	66.42800
3.000	-.931	1.00000	2.48600	418.55000	.00400	.00160	.08550	1.89580	.66120	66.42800
	GRADIENT	.00000	.00036	.02987	.00000	-.00000	.00008	.00298	.00105	.00473

AMES 118-1-87 OA145C 01 (82H0C1) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-IB =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 166/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-3.934	1.00000	2.48570	419.28000	.00380	.00160	.08590	1.89870	.66290	66.54300
3.000	-1.918	1.00000	2.48970	419.03000	.00380	.00160	.08610	1.90170	.66410	66.50500
3.000	.028	1.00000	2.48910	419.16000	.00380	.00160	.08650	1.90200	.66560	66.52400
3.000	2.003	1.00000	2.48890	419.16000	.00380	.00160	.08700	1.90300	.66690	66.52400
3.000	4.019	1.00000	2.48570	418.91000	.00380	.00160	.08760	1.90210	.66850	66.48600
	GRADIENT	.00000	-.00004	-.03096	.00000	-.00000	.00022	.00041	.00071	-.00482

AMES 118-1-87 OA145C 01 (82H0C2) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-IB =	5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 167/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	1.028	1.00000	2.48290	419.03000	.00370	.00160	.08810	1.91000	.67240	66.50500
3.000	3.001	1.00000	2.48700	418.91000	.00370	.00160	.08860	1.91080	.67380	66.48600
3.000	5.002	1.00000	2.47950	418.91000	.00370	.00160	.08930	1.90790	.67530	66.48600
3.000	6.999	1.00000	2.48770	418.91000	.00370	.00160	.09010	1.90660	.67700	66.48600
3.000	9.041	1.00000	2.48550	418.91000	.00370	.00160	.09100	1.90460	.67890	66.48600
	GRADIENT	.00000	.00208	-.06079	.00000	.00000	.00025	.00041	.00071	-.00962

AMES 118-1-87 OA145C 01 (B2H0C3) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELV-IB = -5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RUDDER = .000 RN/L = 2.500

RUN NO. 168/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-8.965	1.00000	2.48270	419.03000	.00380	.00160	.08530	1.87540	.65440	66.50500
3.000	-6.945	1.00000	2.47710	418.91000	.00380	.00160	.08530	1.88060	.65570	66.48600
3.000	-4.964	1.00000	2.48060	418.79000	.00370	.00150	.08560	1.88210	.65680	66.46600
3.000	-2.983	1.00000	2.47710	418.79000	.00380	.00160	.08550	1.88600	.65810	66.46600
3.000	-.941	1.00000	2.47740	418.91000	.00390	.00160	.08570	1.88980	.65960	66.48600
	GRADIENT	.00000	-.00079	.02998	.00005	.00002	.00003	.00191	.00070	.00500

AMES 118-1-87 OA145C 01 (B2H0C4) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 169/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-3.984	1.00000	2.47070	418.79000	.00370	.00160	.08680	1.90130	.66590	66.46600
3.000	-1.969	1.00000	2.47900	418.79000	.00380	.00160	.08660	1.90220	.66570	66.46600
3.000	.011	1.00000	2.47980	418.91000	.00370	.00160	.08660	1.90220	.66540	66.48600
3.000	1.972	1.00000	2.47250	418.79000	.00370	.00160	.08670	1.90280	.66560	66.46600
3.000	3.980	1.00000	2.46790	418.79000	.00370	.00160	.08690	1.89970	.66580	66.46600
	GRADIENT	.00000	-.00060	.00003	-.00000	-.00000	.00002	-.00013	-.00002	.00000

AMES 118-1-87 OA145C 01 (B2H0C5) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 170/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-4.012	1.00000	2.47360	418.79000	.00390	.00150	.08960	1.90520	.67560	66.46600
3.000	-2.016	1.00000	2.46720	418.79000	.00390	.00150	.08930	1.90770	.67540	66.46600
3.000	-.008	1.00000	2.47430	418.91000	.00390	.00160	.08900	1.91020	.67530	66.48600
3.000	1.989	1.00000	2.47360	418.79000	.00380	.00160	.08940	1.90800	.67530	66.46600
3.000	3.972	1.00000	2.48060	418.79000	.00370	.00160	.08980	1.90650	.67560	66.46600
	GRADIENT	.00000	.00102	.00002	-.00003	.00002	.00002	.00015	-.00001	.00000

AMES 118-1-87 OA145C 01 (B2H0C6) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 171/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-3.995	1.00000	2.47640	418.67000	.00380	.00160	.08540	1.88250	.65720	66.44700
3.000	-2.012	1.00000	2.48100	418.79000	.00390	.00160	.08530	1.88360	.65690	66.46600
3.000	-.002	1.00000	2.48610	418.79000	.00390	.00160	.08530	1.87110	.65320	66.46600
3.000	2.002	1.00000	2.47480	418.67000	.00390	.00160	.08540	1.88320	.65690	66.44700
3.000	4.014	1.00000	2.47640	418.79000	.00380	.00160	.08560	1.88110	.65710	66.46600
	GRADIENT	.00000	-.00031	.00597	-.00000	-.00000	.00003	-.00016	-.00001	.00094

AMES 118-1-87 OA145C 01 (B2H0C7) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 172/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-3.973	1.00000	2.47880	418.67000	.00370	.00160	.08680	1.90000	.66570	66.44700
3.000	-1.963	1.00000	2.47880	418.79000	.00380	.00160	.08650	1.90230	.66540	66.46600
3.000	.000	1.00000	2.47790	418.79000	.00380	.00160	.08650	1.90310	.66540	66.46600
3.000	2.005	1.00000	2.47410	418.67000	.00380	.00160	.08660	1.90250	.66550	66.44700
3.000	3.980	1.00000	2.46720	418.67000	.00380	.00160	.08680	1.90060	.66570	66.44700
	GRADIENT	.00000	-.00140	-.00602	.00001	-.00000	.00000	.00007	.00000	-.00095

AMES 118-1-87 OA145C 01 (B2H0C8) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 173/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-3.989	1.00000	2.47350	418.67000	.00370	.00160	.08960	1.90750	.67570	66.44700
3.000	-2.004	1.00000	2.47200	418.79000	.00370	.00160	.08920	1.90930	.67540	66.46600
3.000	.004	1.00000	2.47090	418.79000	.00370	.00160	.08920	1.90960	.67530	66.46600
3.000	1.997	1.00000	2.47240	418.67000	.00370	.00160	.08940	1.90930	.67520	66.44700
3.000	4.001	1.00000	2.47610	418.67000	.00370	.00160	.08970	1.90780	.67550	66.44700
	GRADIENT	.00000	.00028	-.00602	-.00000	.00000	.00002	.00003	-.00003	-.00095

AMES 118-1-87 OA145C 01 (82H0C9) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 174/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-4.013	1.00000	2.47170	418.67000	.00380	.00160	.08560	1.88120	.65690	66.44700
3.000	-2.000	1.00000	2.47140	418.79000	.00380	.00160	.08550	1.88220	.65680	66.46600
3.000	.000	1.00000	2.46480	418.67000	.00380	.00160	.08540	1.88200	.65680	66.44700
3.000	1.984	1.00000	2.47120	418.79000	.00380	.00160	.08550	1.88220	.65670	65.46600
3.000	4.007	1.00000	2.46790	418.79000	.00380	.00160	.08570	1.88130	.65690	66.46600
	GRADIENT	.00000	-.00039	.01198	.00000	.00000	.00001	.00001	-.00000	.00190

AMES 118-1-87 OA145C 01 (82H000) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 161/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.285	1.00000	2.48560	418.67000	.00370	.00160	.08260	1.93610	.66510	66.44700
3.000	-4.215	1.00000	2.48340	418.31000	.00380	.00160	.08420	1.91280	.66270	66.38900
3.000	-2.084	1.00000	2.49020	418.55000	.00390	.00160	.08530	1.89800	.66040	66.42800
3.000	-1.050	1.00000	2.48070	418.55000	.00380	.00160	.08520	1.89960	.66000	66.42800
3.000	.035	1.00000	2.48410	418.43000	.00360	.00160	.08600	1.89180	.65910	66.40900
3.000	1.114	1.00000	2.48810	418.43000	.00380	.00160	.08600	1.89030	.65950	66.40900
3.000	2.153	1.00000	2.48620	418.55000	.00380	.00160	.08650	1.88480	.65920	66.42800
3.000	3.237	1.00000	2.48770	418.55000	.00380	.00160	.08630	1.88550	.65970	66.42800
	GRADIENT	.00000	.00040	.02073	-.00001	.00000	.00029	-.00366	-.00039	.00339

AMES 118-1-87 OA145C 01 (B2H0D1) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 150/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	.318	1.00000	2.47510	405.21000	.00230	.00150	.11100	-.32460	.59770	64.31000
3.000	3.072	1.00000	2.47700	405.09000	.00260	.00150	.10750	.25780	.71110	64.29100
3.000	4.051	1.00000	2.47170	405.09000	.00260	.00150	.10580	.47630	.68540	64.29100
3.000	6.016	1.00000	2.47230	405.09000	.00300	.00150	.10040	.91810	.67400	64.29100
3.000	8.026	1.00000	2.47290	404.97000	.00320	.00150	.09690	1.30800	.66840	64.27200
3.000	10.107	1.00000	2.47490	405.21000	.00310	.00150	.09330	1.60860	.66640	64.31000
3.000	12.125	1.00000	2.46540	405.09000	.00320	.00150	.09060	1.78780	.66570	64.29100
3.000	14.156	1.00000	2.46940	404.97000	.00330	.00160	.08800	1.87920	.66540	64.27200
3.000	15.174	1.00000	2.46860	405.21000	.00330	.00160	.08680	1.89990	.66500	64.31000
3.000	16.180	1.00000	2.46020	404.97000	.00350	.00160	.08560	1.91090	.66510	64.27200
3.000	18.194	1.00000	2.46180	405.09000	.00360	.00160	.08260	1.89990	.66560	64.29100
3.000	20.259	1.00000	2.47310	408.12000	.00400	.00160	.07940	1.85410	.66620	64.77200
3.000	22.249	1.00000	2.47830	409.09000	.00420	.00160	.07670	1.78970	.66670	64.92600
3.000	26.341	1.00000	2.47970	409.57000	.00420	.00160	.07050	1.63300	.66810	65.00300
3.000	29.787	1.00000	2.47820	409.70000	.00390	.00150	.06590	1.49000	.66870	65.02300
	GRADIENT	.00000	-.00056	-.03462	.00009	.00000	-.00137	.21385	.02733	-.00548

AMES 118-1-87 OA145C 01 (B2H002) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 149/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.000	-6.328	1.00000	2.49930	405.45000	.00280	.00160	.08480	1.93140	.66910	64.34900
3.000	-4.223	1.00000	2.50320	405.45000	.00310	.00160	.08580	1.91520	.66730	64.34900
3.000	-2.122	1.00000	2.49780	405.81000	.00330	.00160	.08670	1.90080	.66560	64.40700
3.000	-1.043	1.00000	2.49410	405.21000	.00330	.00160	.08630	1.90630	.66560	64.31000
3.000	.012	1.00000	2.49160	405.57000	.00320	.00160	.08680	1.90080	.66510	64.36800
3.000	1.098	1.00000	2.49320	405.21000	.00330	.00160	.08660	1.90290	.66550	64.31000
3.000	2.152	1.00000	2.47940	405.21000	.00340	.00160	.08680	1.89970	.66570	64.31000
3.000	3.198	1.00000	2.48550	405.21000	.00340	.00160	.08660	1.90170	.66630	64.31000
3.000	4.243	1.00000	2.48090	405.09000	.00340	.00160	.08580	1.91260	.66760	64.29100
3.000	6.384	1.00000	2.48070	405.21000	.00330	.00150	.08480	1.92650	.66960	64.31000
	GRADIENT	.00000	-.00269	-.05773	.00003	.00000	.00002	-.00049	.00004	-.00932

AMES 118-1-87 OA145C 01 (82H0D3) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 175/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P
3.496	-29.949	1.00000	2.47320	357.84000	-.00530	.00190	.09240	1.70990	.62890	41.81300
3.496	-19.931	1.00000	2.47490	358.32000	-.00540	.00190	.08700	1.80920	.63770	41.86900
3.496	-14.942	1.00000	2.47740	359.19000	-.00500	.00190	.08500	1.84680	.64230	41.97200
3.496	-12.952	1.00000	2.47980	359.67000	-.00500	.00190	.08460	1.86060	.64460	42.02800
3.496	-9.928	1.00000	2.47020	359.75000	-.00500	.00190	.08410	1.88090	.64800	42.03700
3.496	-7.950	1.00000	2.48060	359.83000	-.00500	.00190	.08400	1.89220	.65060	42.04600
3.496	-4.936	1.00000	2.47510	361.35000	-.00500	.00190	.08380	1.90950	.65480	42.22300
3.496	-3.947	1.00000	2.47310	361.19000	-.00500	.00190	.08400	1.91420	.65640	42.20500
3.496	-1.944	1.00000	2.47560	361.03000	-.00490	.00190	.08410	1.92310	.65960	42.18600
3.496	.030	1.00000	2.46310	361.03000	-.00500	.00190	.08470	1.93050	.66310	42.18600
3.496	2.041	1.00000	2.47150	361.03000	-.00490	.00190	.08520	1.93580	.66680	42.18600
3.496	4.015	1.00000	2.46310	361.03000	-.00500	.00190	.08620	1.94020	.67100	42.18600
3.496	5.026	1.00000	2.46450	361.27000	-.00500	.00190	.08680	1.94150	.67310	42.21400
3.496	8.033	1.00000	2.46740	361.11000	-.00510	.00190	.08930	1.93750	.67990	42.19500
3.496	10.019	1.00000	2.46110	361.03000	-.00500	.00190	.09150	1.92940	.68480	42.18600
3.496	20.031	1.00000	2.45890	361.11000	-.00500	.00190	.11260	1.82110	.71290	42.19500
	GRADIENT	.00000	-.00119	-.03040	.00000	-.00000	.00025	.00346	.00179	-.00354

AMES 11B-1-87 OA145C 01 (C2H001) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 1.000

RUN NO. 10/ 0 RN/L = .93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.087	.167	.06040	.04250	.00250	.01940	55.00000	.03560	.04220	.04280	.00620	-.00120
3.087	1.940	.02300	.03820	.00270	.00970	55.00000	.02670	.03770	.03870	.01070	-.00530
3.087	3.890	.08350	.03300	.00300	.01940	55.00000	.02670	.03280	.03320	.00580	.00020
3.087	5.870	.09170	.03300	.00300	.00970	55.00000	.02670	.03280	.03320	.00580	.00020
3.087	7.859	.08860	.01640	.00640	.00000	55.00000	.00890	.01900	.01380	.01000	.00280
3.087	9.876	.08720	.03090	.00090	.00970	55.00000	.02670	.03280	.02900	.00580	-.00400
3.087	11.914	.08430	.03090	.00090	.00000	55.00000	.02670	.03280	.02900	.00580	-.00400
3.087	13.936	.07940	.03330	.00330	.00970	55.00000	.02670	.03770	.02900	.01070	-.00400
3.087	14.949	.06450	.04040	.00040	.01940	55.00000	.02670	.04220	.03870	.00620	-.00530
3.087	17.002	.04030	.02880	-.00120	.00000	55.00000	.01780	.03280	.02480	.00580	-.00820
3.087	18.017	.04220	.01190	.00190	.00000	55.00000	.00890	.01420	.00970	.00520	-.00130
3.087	22.120	.05050	.01730	-.00270	.00000	55.00000	.00890	.02350	.01100	.00550	-.01100
3.087	29.258	-.00820	.02850	-.00150	.00970	55.00000	.02670	.02800	.02900	.00100	-.00400
	GRADIENT	.00662	-.00255	.00013	.00008	-.00000	-.00235	-.00252	-.00258	-.00015	.00042

AMES 11B-1-87 OA145C 01 (C2H002) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 16/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
2.493	.307	-.13710	.04460	.00110	.01940	55.00000	.00000	.05600	.03320	.00200	.00020
2.493	1.990	-.15800	.03990	.00090	.01940	55.00000	.00000	.04670	.03320	.00170	.00020
2.493	4.010	-.09590	.02090	.00190	.00000	55.00000	-.01030	.02800	.01380	.00100	.00280
2.493	6.033	-.09830	.03040	.00140	.00970	55.00000	.00000	.03730	.02350	.00130	.00150
2.493	8.069	-.10980	.04230	.00330	.01940	55.00000	.00000	.05150	.03320	.00650	.00020
2.493	10.124	-.11750	.03090	-.00260	.01940	55.00000	.00000	.04670	.01520	.00170	-.00680
2.493	12.200	-.11740	.03280	.00380	.01940	55.00000	.00000	.04220	.02350	.00620	.00150
2.493	14.203	-.11890	.02110	.00660	.00970	55.00000	.00000	.02830	.01380	.01030	.00280
2.493	15.236	-.12950	.01590	.00690	.00000	55.00000	-.01030	.02350	.00830	.00550	.00830
2.493	16.219	-.14960	.01590	.00690	.00000	55.00000	-.01030	.02350	.00830	.00550	.00830
2.493	18.252	-.14680	.03580	-.00320	.01940	55.00000	.00000	.04670	.02480	.00170	-.00820
2.493	20.318	-.14010	.03530	.00630	.01940	55.00000	.00000	.04700	.02350	.01100	.00150
2.493	22.314	-.12440	.03780	.00780	.00970	55.00000	.00000	.04250	.03320	.01550	.00020
2.493	26.427	-.13440	.01380	.00480	.00000	55.00000	.00000	.02350	.00420	.00550	.00420
2.493	29.771	-.17960	.03280	.00380	.00970	55.00000	.00000	.04220	.02350	.00620	.00150
	GRADIENT	.01177	-.00650	.00023	-.00538	.00000	-.00286	-.00762	-.00538	-.00027	.00072

RUN NO. 22/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	.182	.06700	.02330	-.00120	.03880	55.00000	.01780	.02320	.02350	-.00380	.00150
3.001	1.875	.02720	.00000	.00000	.00970	55.00000	.00000	.00000	.00000	.00000	.00000
3.001	3.882	.09350	-.00050	-.00500	.01940	55.00000	.00000	.00450	-.00540	-.00450	-.00540
3.001	5.887	.09710	.00230	-.00230	.01940	55.00000	.00000	.00450	.00000	-.00450	.00000
3.001	7.896	.09240	.00230	-.00230	.01940	55.00000	.00000	.00450	.00000	-.00450	.00000
3.001	9.949	.08710	-.00250	.00250	.00970	55.00000	.00000	.00000	-.00500	.00000	.00500
3.001	12.102	.08440	.00230	-.00230	.00970	55.00000	.00000	.00450	.00000	-.00450	.00000
3.001	14.149	.08200	.00470	.00020	.01940	55.00000	.00000	.00930	.00000	.00030	.00000
3.001	15.195	.06280	.02130	-.00330	.03880	55.00000	.00890	.02320	.01930	-.00380	-.00270
3.001	16.195	.05190	.02320	.00320	.02910	55.00000	.00890	.01870	.02770	.00070	.00570
3.001	18.198	.05630	.00920	-.00080	.01940	55.00000	.00000	.00450	.01380	-.00450	.00280
3.001	20.260	.06200	.02330	-.00120	.03880	55.00000	.00890	.02320	.02350	-.00380	.00150
3.001	22.246	.07140	.02990	.00540	.03880	55.00000	.00890	.02800	.03180	.00100	.00980
3.001	26.350	.06970	.02070	.00070	.02910	55.00000	.00890	.01380	.02770	-.00420	.00570
3.001	29.544	.01760	.01160	.00160	.01940	55.00000	.00000	.00930	.01380	.00030	.00280
	GRADIENT	.00795	-.00624	-.00107	-.00493	.00000	-.00466	-.00483	-.00765	-.00025	-.00189

AMES 118-1-87 OA145C 01 (C2H002) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 85/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.498	.020	-.06930	.04230	-.01120	.01940	55.00000	.03560	.04600	.03870	-.01700	-.00530
3.498	2.104	-.17330	.02780	-.00570	.00970	55.00000	.02670	.03220	.02350	-.01280	.00150
3.498	4.642	-.19140	.03730	-.00620	.01940	55.00000	.03560	.04150	.03320	-.01250	.00020
3.498	7.116	-.19820	.03730	-.00620	.01940	55.00000	.02670	.04150	.03320	-.01250	.00020
3.498	9.674	-.17440	.02060	-.00740	.00000	55.00000	.01780	.02730	.01380	-.01770	.00280
3.498	11.737	-.15700	.03560	-.01340	.00970	55.00000	.02670	.03670	.03450	-.01730	-.00950
3.498	13.767	-.15390	.03960	-.00840	.01940	55.00000	.03560	.04600	.03320	-.01700	.00020
3.498	14.765	-.16210	.02330	-.01020	.00000	55.00000	.01780	.02730	.01930	-.01770	-.00270
3.498	15.755	-.14930	.03280	-.01070	.00970	55.00000	.02670	.03670	.02900	-.01730	-.00400
3.498	17.774	-.16400	.01630	-.00730	.00000	55.00000	.01780	.02280	.00970	-.01320	-.00130
3.498	19.824	-.17610	.01630	-.00730	.00000	55.00000	.01780	.02280	.00970	-.01320	-.00130
3.498	22.314	-.17730	.01780	-.00470	.00000	55.00000	.01780	.02730	.00830	-.01770	.00830
3.498	25.034	-.19650	.03040	-.00760	.00970	55.00000	.02670	.04150	.01930	-.01250	-.00270
	GRADIENT	-.02572	-.00091	.00104	.00014	-.00000	.00013	-.00081	-.00101	.00094	.00113

AMES 118-1-87 OA145C 01 (C2H003) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	3.250		

RUN NO. 13/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
2.493	.309	-.12930	.01420	.00520	-.01000	55.00000	.00000	.02830	.00000	.01030	.00000
2.493	2.007	-.17090	.04030	.00130	.00970	55.00000	.01780	.05150	.02900	.00650	-.00400
2.493	3.894	-.12030	.02130	.00230	.00000	55.00000	.00000	.03280	.00970	.00580	-.00130
2.493	5.808	-.11670	.01420	.00520	.00000	55.00000	.00000	.02830	.00000	.01030	.00000
2.493	7.762	-.12360	.01920	.00020	.00000	55.00000	.00000	.03280	.00550	.00580	-.00550
2.493	9.739	-.12570	.03750	.00400	.00970	55.00000	.01780	.05150	.02350	.00650	.00150
2.493	11.930	-.12290	.02900	-.00550	.00970	55.00000	.00890	.03730	.02070	.00130	-.01230
2.493	13.980	-.12030	.04440	.00540	.02910	55.00000	.01780	.05150	.03730	.00650	.00430
2.493	15.013	-.12340	.03280	.00380	.00970	55.00000	.00890	.04220	.02350	.00620	.00150
2.493	16.180	-.14980	.03320	-.00130	.00970	55.00000	.00890	.03730	.02900	.00130	-.00400
2.493	18.250	-.14490	.01380	.00480	.00000	55.00000	.00000	.02350	.00420	.00550	.00420
2.493	20.336	-.13960	.04230	.00330	.01940	55.00000	.00890	.05150	.03320	.00650	.00020
2.493	22.507	-.11520	.02530	.01070	.00000	55.00000	.00000	.02830	.02220	.01030	.01120
2.493	23.521	-.12020	.03320	.00420	.01940	55.00000	.00890	.04700	.01930	.01100	-.00270
2.493	26.586	-.11310	.03750	.00750	.01940	55.00000	.01780	.03770	.03730	.01070	.00430
2.493	29.955	-.17690	.04410	.00510	.01940	55.00000	.01780	.04670	.04150	.00170	.00850
	GRADIENT	.00296	.00176	-.00078	.00264	.00000	-.00018	.00105	.00246	-.00124	-.00033

AMES 11B-1-87 OA145C 01 (C2H004) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	4.000		

RUN NO. 17/ 0 RN/L = 4.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
2.493	.294	-.12600	.01630	.00730	.00000	55.00000	-.02050	.02830	.00420	.01030	.00420
2.493	2.005	-.17710	.03010	.00660	.00970	55.00000	-.01030	.04220	.01800	.00620	.00700
2.493	4.053	-.11200	.03280	.00380	.01940	55.00000	-.01030	.04220	.02350	.00620	.00150
2.493	6.107	-.10910	.03080	.00180	.01940	55.00000	-.01030	.04220	.01930	.00620	-.00270
2.493	8.161	-.12080	.02300	.00400	.00970	55.00000	-.01030	.02800	.01800	.00100	.00700
2.493	10.234	-.12790	.02770	.00420	.00970	55.00000	-.01030	.03730	.01800	.00130	.00700
2.493	12.340	-.12100	.04250	-.00100	.02910	55.00000	.00000	.05600	.02900	.00200	-.00400
2.493	14.389	-.12010	.02320	.00430	.00970	55.00000	-.01030	.03280	.01380	.00580	.00280
2.493	15.421	-.13120	.02090	.00190	.01940	55.00000	-.01030	.02800	.01380	.00100	.00280
2.493	16.426	-.14880	.02060	.00160	.00970	55.00000	-.01030	.02320	.01800	-.00380	.00700
2.493	18.495	-.14590	.03770	.00320	.02910	55.00000	.00000	.04220	.03320	.00620	.00020
2.493	20.577	-.13560	.03350	-.00100	.02910	55.00000	.00000	.04220	.02480	.00620	-.00820
2.493	22.596	-.11770	.02040	.01140	.00970	55.00000	-.02050	.02830	.01250	.01030	.01250
2.493	26.753	-.12580	.04410	.00510	.02910	55.00000	.00000	.04670	.04150	.00170	.00850
2.493	30.140	-.17080	.02980	.00620	.01940	55.00000	.00000	.03730	.02220	.00130	.01120
	GRADIENT	.00464	.00429	-.00095	.00515	.00000	.00263	.00358	.00506	-.00106	-.00078

AMES 118-1-87 OA145C 01 (C2H005) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 19/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
2.493	-6.497	5.02550	.04410	.00510	.01940	55.00000	.00000	.04670	.04150	.00170	.00850
2.493	-4.377	4.99980	.02030	.00680	.00000	55.00000	-.02050	.02800	.01250	.00100	.01250
2.493	-2.235	5.02880	.04670	.00320	.02910	55.00000	.00000	.05600	.03730	.00200	.00430
2.493	-1.178	5.02950	.01920	.00020	.00970	55.00000	-.02050	.03280	.00550	.00580	-.00550
2.493	-.106	5.04720	.03300	-.00050	.01940	55.00000	-.01030	.04670	.01930	.00170	-.00270
2.493	.962	5.05870	.02630	-.00270	.00970	55.00000	-.01030	.03730	.01520	.00130	-.00680
2.493	2.004	5.08620	.03300	-.00050	.01940	55.00000	-.01030	.04670	.01930	.00170	-.00270
2.493	3.057	5.08890	.02870	-.00030	.01940	55.00000	-.01030	.04220	.01520	.00620	-.00680
2.493	4.134	5.10520	.01820	.00470	.00000	55.00000	-.02050	.02800	.00830	.00100	.00830
2.493	6.279	5.12470	.03040	.00140	.01940	55.00000	-.02050	.03730	.02350	.00130	.00150
	GRADIENT	.01256	-.00051	-.00045	-.00002	-.00000	-.00005	-.00012	-.00089	.00011	-.00100

RUN NO. 27/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-6.277	4.99150	.02370	-.00080	.03880	55.00000	.02670	.02800	.01930	.00100	-.00270
3.001	-4.158	4.96450	.01900	-.00100	.03880	55.00000	.02670	.01870	.01930	.00070	-.00270
3.001	-3.091	4.96880	.01480	-.00520	.02910	55.00000	.01780	.01870	.01100	.00070	-.01100
3.001	-2.045	4.98860	.01240	-.00760	.02910	55.00000	.01780	.01380	.01100	-.00420	-.01100
3.001	-.987	4.98760	.01970	-.00580	.04850	55.00000	.02670	.01870	.02070	.00070	-.01230
3.001	.083	5.00250	.01980	-.01020	.04850	55.00000	.02670	.02320	.01650	-.00380	-.01650
3.001	1.138	5.01570	.02430	-.00570	.04850	55.00000	.02670	.02800	.02070	.00100	-.01230
3.001	2.194	5.03370	.00230	-.00230	.01940	55.00000	.00890	.00450	.00000	-.00450	.00000
3.001	3.248	5.04630	.00230	-.00230	.01940	55.00000	.00890	.00450	.00000	-.00450	.00000
3.001	4.300	5.06220	.01920	-.00530	.03880	55.00000	.02670	.02320	.01520	-.00380	-.00680
3.001	6.437	5.07420	.00230	-.00230	.02910	55.00000	.00890	.00450	.00000	-.00450	.00000
3.001	10.626	5.11660	.01690	-.00310	.03880	55.00000	.02670	.01870	.01520	.00070	-.00680
	GRADIENT	.01169	-.00082	.00003	-.00076	-.00000	-.00070	-.00053	-.00113	-.00053	.00061

AMES 118-1-87 OA145C 01 (C2H005) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 87/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.498	-6.557	4.78320	.03380	-.01520	.01940	55.00000	.02670	.04150	.02620	-.01250	-.01780
3.498	-4.471	4.77370	.02710	-.01740	.00000	55.00000	.01780	.03220	.02200	-.01280	-.02200
3.498	-2.348	4.77700	.03880	-.02020	.01940	55.00000	.03560	.04600	.03170	-.01700	-.02330
3.498	-1.259	4.77660	.05560	-.01890	.03880	55.00000	.04450	.06020	.05100	-.01180	-.02600
3.498	-.181	4.77430	.03610	-.01740	.01940	55.00000	.03560	.04600	.02620	-.01700	-.01780
3.498	.892	4.77330	.03180	-.01720	.01940	55.00000	.02670	.04150	.02200	-.01250	-.02200
3.498	1.970	4.78400	-.00140	-.01490	-.01000	55.00000	.00890	.01350	-.01620	-.01350	-.01620
3.498	3.056	4.80720	.02640	-.01260	.00970	55.00000	.02670	.03220	.02070	-.01280	-.01230
3.498	4.143	4.81930	.06440	-.01460	.03880	55.00000	.05340	.06950	.05930	-.01150	-.01770
3.498	6.304	4.84430	.04270	-.01080	.02910	55.00000	.03560	.05080	.03450	-.01220	-.00950
	GRADIENT	.00480	.00037	.00066	.00103	.00000	.00108	.00064	.00011	.00026	.00107

AMES 118-1-87 OA145C 01 (C2H006) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 29/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
2.493	-6.497	10.26000	.00920	-.00080	.00970	55.00000	.01780	.00450	.01380	-.00450	.00280
2.493	-4.382	10.25100	.00920	-.00080	.00000	55.00000	.01780	.00450	.01380	-.00450	.00280
2.493	-2.263	10.24400	.00740	-.00260	.00970	55.00000	.01780	.00930	.00550	.00030	-.00550
2.493	-1.197	10.22900	.03560	-.00440	.02910	55.00000	.03560	.03250	.03870	-.00350	-.00530
2.493	-.128	10.25300	.01920	-.00530	.01940	55.00000	.02670	.02320	.01520	-.00380	-.00680
2.493	.923	10.30800	.01180	-.00280	.00970	55.00000	.01780	.01380	.00970	-.00420	-.00130
2.493	1.992	10.31600	.01970	-.00580	.00970	55.00000	.01780	.01870	.02070	.00070	-.01230
2.493	3.011	10.34900	.00000	.00000	.00000	55.00000	.00890	.00000	.00000	.00000	.00000
2.493	4.060	10.35000	.01660	-.00340	.01940	55.00000	.00890	.01380	.01930	-.00420	-.00270
2.493	6.215	10.33900	.00850	.00400	.00970	55.00000	.00890	.00450	.01250	-.00450	.01250
	GRADIENT	.01523	-.00026	-.00011	.00042	-.00000	-.00157	-.00010	-.00042	.00016	-.00039

AMES 118-1-87 OA145C 01 (C2H008) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 24/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-6.261	10.13700	.01930	-.00620	.02910	55.00000	.00000	.01380	.02480	-.00420	-.00820
3.001	-4.164	10.14000	.01450	-.00550	.01940	55.00000	-.01030	.01380	.01520	-.00420	-.00680
3.001	-3.100	10.15300	.00500	-.00500	.00970	55.00000	-.01030	.00450	.00550	-.00450	-.00550
3.001	-2.048	10.13400	.00980	-.00570	.01940	55.00000	-.01030	.00450	.01520	-.00450	-.00680
3.001	-.994	10.11500	.02180	-.00380	.02910	55.00000	.00000	.01870	.02480	.00070	-.00820
3.001	.071	10.13400	.02880	-.00670	.03880	55.00000	.00000	.02320	.03450	-.00380	-.00950
3.001	1.123	10.19600	.00710	-.00290	.00970	55.00000	-.02050	.00450	.00970	-.00450	-.00130
3.001	2.167	10.20500	.03080	-.00380	.04850	55.00000	.00000	.03250	.02900	-.00350	-.00400
3.001	3.203	10.22900	.01430	-.00120	.01940	55.00000	-.01030	.00930	.01930	.00030	-.00270
3.001	4.236	10.23800	.03610	-.00490	.04850	55.00000	.00000	.02800	.04420	.00100	-.01080
3.001	6.376	10.23500	.02180	-.00380	.03880	55.00000	-.01030	.01870	.02480	.00070	-.00820
3.001	10.611	10.29000	.02680	-.00880	.03880	55.00000	.00000	.02320	.03030	-.00380	-.01370
	GRADIENT	.01335	.00224	.00029	.00292	.00000	.00065	.00179	.00269	.00051	.00008

RUN NO. 88/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.498	-6.536	9.84970	.01450	-.01450	.00000	55.00000	.00890	.01800	.01100	-.01800	-.01100
3.498	-4.438	9.84680	.03110	-.01240	.00970	55.00000	.02670	.04150	.02070	-.01250	-.01230
3.498	-2.336	9.82290	.02160	-.01190	.00000	55.00000	.01780	.03220	.01100	-.01280	-.01100
3.498	-1.227	9.80530	.02590	-.01210	.00000	55.00000	.02670	.03670	.01520	-.01730	-.00680
3.498	-.174	9.81800	.03540	-.01260	.01940	55.00000	.03560	.04600	.02480	-.01700	-.00820
3.498	.910	9.85800	.03540	-.01260	.01940	55.00000	.02670	.04600	.02480	-.01700	-.00820
3.498	2.008	9.89360	.03010	-.00790	.00970	55.00000	.02670	.03670	.02350	-.01730	.00150
3.498	3.055	9.90170	.02800	-.01000	.01940	55.00000	.02670	.03670	.01930	-.01730	-.00270
3.498	4.127	9.94310	.02580	-.00780	.00970	55.00000	.01780	.03220	.01930	-.01280	-.00270
3.498	6.293	9.93950	.02780	-.00570	.00970	55.00000	.01780	.03220	.02350	-.01280	.00150
	GRADIENT	.01311	.00004	.00054	.00120	-.00000	-.00027	-.00045	.00052	-.00029	.00136

AMES 118-1-87 OA145C 01 (C2H007) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 15/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
2.493	-6.604	15.41500	.03510	.00160	.01940	55.00000	.01780	.04670	.02350	.00170	.00150
2.493	-4.476	15.39400	.03960	.00610	.01940	55.00000	.01780	.05150	.02770	.00650	.00570
2.493	-3.402	15.39600	.02780	.00880	.00970	55.00000	.00890	.03770	.01800	.01070	.00700
2.493	-2.331	15.39000	.03730	.00830	.01940	55.00000	.01780	.04700	.02770	.01100	.00570
2.493	-1.253	15.38800	.03960	.00610	.02910	55.00000	.01780	.05150	.02770	.00650	.00570
2.493	-.209	15.38900	.01610	.00260	.00000	55.00000	.00000	.02800	.00420	.00100	.00420
2.493	.876	15.37800	.03280	.00380	.01940	55.00000	.00890	.04220	.02350	.00620	.00150
2.493	1.956	15.38700	.02540	.00640	.00970	55.00000	.00000	.03280	.01800	.00580	.00700
2.493	3.007	15.39900	.02330	.00430	.00970	55.00000	.00000	.03280	.01380	.00580	.00280
2.493	4.086	15.41000	.01850	.00500	.00000	55.00000	.00000	.03280	.00420	.00580	.00420
2.493	6.216	15.42200	.03280	.00380	.01940	55.00000	.00000	.04220	.02350	.00620	.00150
	GRADIENT	.00089	-.00200	-.00037	-.00166	.00000	-.00222	-.00198	-.00202	-.00044	-.00031

RUN NO. 23/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-6.307	15.11500	.01430	-.00470	.02910	55.00000	.00890	.02320	.00550	-.00380	-.00550
3.001	-4.246	15.11500	.02870	-.00580	.03880	55.00000	.00890	.03250	.02480	-.00350	-.00820
3.001	-3.178	15.11400	.00000	.00000	.00970	55.00000	.00000	.00000	.00000	.00000	.00000
3.001	-2.116	15.12100	.01020	-.00530	.01940	55.00000	.00000	.00930	.01100	.00030	-.01100
3.001	-1.054	15.12600	.02870	-.00580	.04850	55.00000	.00890	.03250	.02480	-.00350	-.00820
3.001	.008	15.12900	.01240	-.00760	.02910	55.00000	.00000	.01380	.01100	-.00420	-.01100
3.001	1.087	15.13700	.02400	-.00600	.03880	55.00000	.00000	.02320	.02480	-.00380	-.00820
3.001	2.137	15.13900	.00970	-.00480	.02910	55.00000	.00000	.01380	.00550	-.00420	-.00550
3.001	3.198	15.13300	.02680	-.00880	.04850	55.00000	.00000	.02320	.03030	-.00380	-.01370
3.001	4.258	15.13600	.02130	-.00330	.02910	55.00000	.00000	.02320	.01930	-.00380	-.00270
3.001	6.366	15.12600	.00500	-.00500	.01940	55.00000	.00000	.00450	.00550	-.00450	-.00550
3.001	10.507	15.13000	.00980	-.00570	.00970	55.00000	-.01030	.00450	.01520	-.00450	-.00680
	GRADIENT	.00295	.00071	-.00024	.00137	.00000	-.00070	.00050	.00091	-.00034	-.00013

AMES 118-1-87 OA145C 01 (C2H007) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 151/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.498	-6.538	14.87700	.03090	-.00810	.01940	55.00000	.02670	.03700	.02480	-.00800	-.00820
3.498	-4.413	14.88000	.04670	-.00230	.03880	55.00000	.03560	.04630	.04700	-.00770	.00300
3.498	-2.273	14.90100	.03010	.00110	.02910	55.00000	.02670	.03250	.02770	-.00350	.00570
3.498	-1.186	14.91500	.04230	-.00220	.02910	55.00000	.02670	.04180	.04280	-.00320	-.00120
3.498	-.125	14.91800	.03010	.00110	.00970	55.00000	.01780	.03250	.02770	-.00350	.00570
3.498	.970	14.91800	.00430	-.00020	.00000	55.00000	.00000	.00450	.00420	-.00450	.00420
3.498	2.035	14.94100	.01380	-.00070	.00970	55.00000	.00000	.01380	.01380	-.00420	.00260
3.498	3.103	14.96300	.01820	-.00080	.00000	55.00000	.00000	.01830	.01800	-.00870	.00700
3.498	4.182	14.98600	.01610	-.00290	.00970	55.00000	.00890	.01830	.01380	-.00870	.00280
3.498	6.302	15.01800	.03960	.00060	.02910	55.00000	.01780	.04180	.03730	-.00320	.00430
	GRADIENT	.01143	-.00400	-.00007	-.00432	-.00000	-.00430	-.00392	-.00408	-.00030	.00016

AMES 118-1-87 OA145C 01 (C2H008) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	3.250		

RUN NO. 14/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
2.493	-6.620	15.49500	.01590	.00690	.00000	55.00000	.01780	.02350	.00830	.00550	.00830
2.493	-4.514	15.47100	.03580	-.00320	.02910	55.00000	.02670	.04670	.02480	.00170	-.00820
2.493	-3.430	15.46600	.03780	-.00120	.02910	55.00000	.01780	.04670	.02900	.00170	-.00400
2.493	-2.349	15.46200	.03040	.00140	.02910	55.00000	.00890	.03730	.02350	.00130	.00150
2.493	-1.293	15.46000	.02830	-.00070	.00970	55.00000	.00890	.03730	.01930	.00130	-.00270
2.493	-.215	15.45800	.02330	.00430	.00970	55.00000	.00000	.03280	.01380	.00580	.00280
2.493	.871	15.44600	.03280	.00380	.00970	55.00000	.00000	.04220	.02350	.00620	.00150
2.493	1.960	15.45600	.02820	.00370	.00970	55.00000	.00000	.03280	.02350	.00580	.00150
2.493	3.033	15.46900	.02820	.00370	.00970	55.00000	-.01030	.03280	.02350	.00580	.00150
2.493	4.109	15.47900	.02540	.00640	.00970	55.00000	-.01030	.03280	.01800	.00580	.00700
2.493	6.241	15.49100	.01870	.00420	.00000	55.00000	-.02050	.02350	.01380	.00550	.00280
	GRADIENT	.00023	-.00109	.00096	-.00270	-.00000	-.00400	-.00157	-.00061	.00066	.00126

AMES 118-1-87 OA145C 01 (C2H009) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 4.000

RUN NO. 18/ 0 RN/L = 4.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
2.493	-6.679	15.59700	.02330	.00430	.01940	55.00000	.00000	.03280	.01380	.00580	.00280
2.493	-4.543	15.57100	.03280	.00380	.02910	55.00000	.00890	.04220	.02350	.00620	.00150
2.493	-3.461	15.56300	.02560	.00210	.01940	55.00000	.00000	.03730	.01380	.00130	.00280
2.493	-2.376	15.55800	.04200	.00300	.03880	55.00000	.00000	.04670	.03730	.00170	.00430
2.493	-1.289	15.55500	.01380	.00480	.00000	55.00000	-.02050	.02350	.00420	.00550	.00420
2.493	-.225	15.54900	.02980	.00620	.01940	55.00000	-.01030	.03730	.02220	.00130	.01120
2.493	2.002	15.54400	.03890	.00540	.02910	55.00000	-.01030	.04180	.03600	-.00320	.01400
2.493	4.134	15.56600	.04630	.00280	.03880	55.00000	-.03080	.05120	.04150	-.00280	.00850
2.493	6.267	15.58200	.04150	.00350	.03880	55.00000	-.04100	.05120	.03180	-.00280	.00980
	GRADIENT	-.00116	.00170	.00011	.00118	.00000	-.00375	.00098	.00243	-.00096	.00119

AMES 118-1-87 OA145C 01 (C2H010) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 31/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
2.493	-6.536	20.27100	.01470	-.00630	.00970	55.00000	.02670	.00450	.02480	-.00450	-.00820
2.493	-4.400	20.24800	.01930	-.00620	.01940	55.00000	.02670	.01380	.02480	-.00420	-.00820
2.493	-2.278	20.24200	.01930	-.00620	.01940	55.00000	.02670	.01380	.02480	-.00420	-.00820
2.493	-1.212	20.25700	.02640	-.00910	.01940	55.00000	.03560	.01830	.03450	-.00870	-.00950
2.493	-.137	20.29000	.03590	-.00960	.02910	55.00000	.03560	.02770	.04420	-.00830	-.01080
2.493	.947	20.29500	.01430	-.00120	.00970	55.00000	.02670	.00930	.01930	.00030	-.00270
2.493	2.005	20.26100	.02400	-.00600	.01940	55.00000	.02670	.02320	.02480	-.00380	-.00820
2.493	3.061	20.23000	.02610	-.00390	.02910	55.00000	.02670	.02320	.02900	-.00380	-.00400
2.493	4.092	20.19500	.01420	-.00580	.00970	55.00000	.01780	.00900	.01930	-.00900	-.00270
2.493	6.187	20.17200	.02400	-.00600	.01940	55.00000	.01780	.02320	.02480	-.00380	-.00820
	GRADIENT	-.00377	-.00023	.00031	-.00036	.00000	-.00090	.00016	-.00062	-.00009	.00070

AMES 118-1-87 OA145C 01 (C2H010) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 25/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-6.407	20.18400	.02180	-.00380	.03880	55.00000	.02670	.01870	.02480	.00070	-.00820
3.001	-4.290	20.21000	.00430	-.00020	.01940	55.00000	.01780	.00450	.00420	-.00450	.00420
3.001	-3.214	20.20700	.01450	-.00550	.03880	55.00000	.02670	.01380	.01520	-.00420	-.00680
3.001	-2.194	20.25400	.00930	-.00520	.02910	55.00000	.02670	.00900	.00970	-.00900	-.00130
3.001	-1.124	20.27200	.02190	-.00810	.03880	55.00000	.03560	.02320	.02070	-.00380	-.01230
3.001	-.068	20.33000	.01730	-.00830	.02910	55.00000	.02670	.01380	.02070	-.00420	-.01230
3.001	1.024	20.36000	.01380	-.00070	.01940	55.00000	.01780	.01380	.01380	-.00420	.00280
3.001	2.081	20.32800	.01660	-.00340	.03880	55.00000	.02670	.01380	.01930	-.00420	-.00270
3.001	3.153	20.31700	.00710	-.00290	.01940	55.00000	.00890	.00450	.00970	-.00450	-.00130
3.001	4.215	20.31400	.02610	-.00390	.04850	55.00000	.02670	.02320	.02900	-.00380	-.00400
3.001	6.309	20.30800	.01180	-.00280	.02910	55.00000	.01780	.01380	.00970	-.00420	-.00130
3.001	10.520	20.30300	.01660	-.00340	.02910	55.00000	.01780	.01380	.01930	-.00420	-.00270
	GRADIENT	.01536	.00112	.00007	.00091	-.00000	-.00056	.00074	.00149	.00018	-.00006

RUN NO. 152/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.498	-6.474	19.67700	.03510	-.00390	.02910	55.00000	.01780	.03700	.03320	-.00800	.00020
3.498	-4.365	19.78300	.04670	-.00230	.03880	55.00000	.02670	.04630	.04700	-.00770	.00300
3.498	-2.213	19.81700	.05620	-.00280	.04850	55.00000	.03560	.05570	.05670	-.00730	.00170
3.498	-1.151	19.83300	.03010	.00110	.01940	55.00000	.01780	.03250	.02770	-.00350	.00570
3.498	-.062	19.88200	.04460	-.00440	.03880	55.00000	.02670	.04630	.04280	-.00770	-.00120
3.498	1.049	19.90400	.04670	-.00230	.03880	55.00000	.02670	.04630	.04700	-.00770	.00300
3.498	2.097	19.87200	-.00250	.00250	-.01000	55.00000	.00000	.00000	-.00500	.00000	.00500
3.498	3.144	19.86100	.00430	-.00020	.00000	55.00000	.00000	.00450	.00420	-.00450	.00420
3.498	4.226	19.87700	.03960	.00060	.02910	55.00000	.01780	.04180	.03730	-.00320	.00430
3.498	6.273	19.88700	.02800	-.00100	.01940	55.00000	.00890	.03250	.02350	-.00350	.00150
	GRADIENT	.01085	-.00402	.00039	-.00396	.00000	-.00288	-.00381	-.00422	.00057	.00022

AMES 11B-1-87 OA145C 01 (C2H011) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 287 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
2.493	.449	2.05500	.03080	-.00380	.01940	55.00000	.02670	.03250	.02900	-.00350	-.00400
2.493	2.102	1.97240	.00740	-.00260	.00000	55.00000	.00890	.00930	.00550	.00030	-.00550
2.493	2.603	1.98980	.01420	-.00030	.00970	55.00000	.02670	.01870	.00970	.00070	-.00130
2.493	5.065	2.02030	.00680	.00230	.00000	55.00000	.00890	.00930	.00420	.00030	.00420
2.493	7.663	2.01570	.02880	-.00120	.00970	55.00000	.02670	.03280	.02480	.00580	-.00820
2.493	10.286	1.99240	.02430	-.00570	.01940	55.00000	.02670	.02800	.02070	.00100	-.01230
2.493	12.363	1.94740	.03140	-.00860	.02910	55.00000	.02670	.03250	.03030	-.00350	-.01370
2.493	14.359	1.90350	.01240	-.00760	.00970	55.00000	.01780	.01380	.01100	-.00420	-.01100
2.493	15.381	1.96410	.01690	-.00310	.00970	55.00000	.01780	.01870	.01520	.00070	-.00680
2.493	16.347	1.91900	.00470	.00020	.00000	55.00000	.00890	.00930	.00000	.00030	.00000
2.493	18.393	1.90500	.01920	-.00530	.00970	55.00000	.01780	.02320	.01520	-.00380	-.00680
2.493	20.491	1.89420	.00740	-.00260	.00000	55.00000	.01780	.00930	.00550	.00030	-.00550
2.493	22.876	1.87520	.00970	-.00480	.00000	55.00000	.01780	.01380	.00550	-.00420	-.00550
2.493	25.624	1.86440	.01180	-.00280	.00970	55.00000	.02670	.01380	.00970	-.00420	-.00130
	GRADIENT	-.03518	-.00932	.00140	-.00631	-.00000	-.00269	-.00831	-.01027	.00204	.00071

RUN NO. 26/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	.411	2.18480	.02030	-.01070	.03880	55.00000	.01780	.01870	.02200	.00070	-.02200
3.001	1.923	2.13850	.02400	-.00600	.03880	55.00000	.01780	.02320	.02480	-.00380	-.00820
3.001	3.948	2.06930	.01230	-.00330	.01940	55.00000	.00890	.00930	.01520	.00030	-.00680
3.001	5.979	2.06920	.02610	-.00390	.04850	55.00000	.01780	.02320	.02900	-.00380	-.00400
3.001	8.028	2.09190	.00710	-.00290	.01940	55.00000	.00890	.00450	.00970	-.00450	-.00130
3.001	10.090	2.09220	.03400	-.00700	.04850	55.00000	.02670	.02800	.04000	.00100	-.01500
3.001	12.178	2.08810	.02260	-.01290	.04850	55.00000	.02670	.02320	.02200	-.00380	-.02200
3.001	14.087	2.13300	.01520	-.01030	.02910	55.00000	.01780	.01380	.01650	-.00420	-.01650
3.001	15.147	2.15230	.03400	-.00700	.04850	55.00000	.02670	.02800	.04000	.00100	-.01500
3.001	16.099	2.13280	.00980	-.00570	.02910	55.00000	.00890	.00450	.01520	-.00450	-.00680
3.001	18.142	2.20350	.01950	-.01050	.03880	55.00000	.01780	.01830	.02070	-.00870	-.01230
3.001	20.243	2.20930	.02190	-.00810	.02910	55.00000	.01780	.02320	.02070	-.00380	-.01230
3.001	22.219	2.19480	.00780	-.00780	.01940	55.00000	.00890	.00450	.01100	-.00450	-.01100
3.001	26.329	2.20590	.00780	-.00780	.01940	55.00000	.00890	.00450	.01100	-.00450	-.01100
3.001	29.557	2.16290	.01450	-.00550	.01940	55.00000	.01780	.01380	.01520	-.00420	-.00680
	GRADIENT	-.03273	-.00245	.00205	-.00571	.00000	-.00262	-.00289	-.00208	.00000	.00410

AMES 118-1-87 OA145C 01 (C2H011) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 86/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.498	.077	2.05570	.02510	-.00290	.00970	55.00000	.02670	.03220	.01800	-.01280	.00700
3.498	2.252	1.98680	.02270	-.00530	.00970	55.00000	.02670	.02730	.01800	-.01770	.00700
3.498	8.729	1.98820	.02580	-.00780	.00000	55.00000	.02670	.03220	.01930	-.01280	-.00270
3.498	9.877	1.99230	.01190	-.00710	.00000	55.00000	.01780	.01830	.00550	-.00870	-.00550
3.498	11.899	1.99520	.02900	-.01450	.00970	55.00000	.03560	.04150	.01650	-.01250	-.01650
3.498	13.874	2.05210	.04490	-.01310	.01940	55.00000	.03560	.05530	.03450	-.01670	-.00950
3.498	14.910	2.05700	.04350	-.01650	.01940	55.00000	.03560	.04150	.04550	-.01250	-.02050
3.498	15.874	2.02960	.04540	-.01360	.02910	55.00000	.03560	.05080	.04000	-.01220	-.01500
3.498	17.922	2.09700	.03590	-.01310	.01940	55.00000	.02670	.04150	.03030	-.01250	-.01370
3.498	19.999	2.10270	.04030	-.01330	.00970	55.00000	.03560	.04600	.03450	-.01700	-.00950
3.498	22.477	2.09530	.01690	-.01210	.00000	55.00000	.01780	.02280	.01100	-.01320	-.01100
3.498	25.146	2.10100	.01150	-.01200	-.01000	55.00000	.01780	.02280	.00010	-.01320	-.01090
	GRADIENT	-.03167	-.00110	-.00110	.00000	-.00000	-.00000	-.00225	-.00000	-.00225	-.00000

AMES 118-1-87 OA145C 01 (C2H012) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 5.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 41/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.182	.06800	5.02620	-.01460	.01940	55.00000	.02670	5.02990	5.02250	-.01700	-.01220
3.000	1.965	.00890	5.02890	-.01730	.02910	55.00000	.02670	5.02990	5.02790	-.01700	-.01760
3.000	6.010	.09700	5.02390	-.01690	.01940	55.00000	.02670	5.02990	5.01790	-.01700	-.01690
3.000	8.005	.09320	5.00910	-.01150	.00970	55.00000	.01780	5.01590	5.00240	-.01230	-.01070
3.000	10.062	.08400	5.01180	-.01420	.02910	55.00000	.01780	5.01590	5.00780	-.01230	-.01610
3.000	12.123	.08160	5.01180	-.01420	.02910	55.00000	.01780	5.01590	5.00780	-.01230	-.01610
3.000	14.119	.08030	5.02890	-.01730	.03880	55.00000	.02670	5.03460	5.02330	-.01230	-.02230
3.000	15.155	.06590	5.01920	-.01690	.00970	55.00000	.01780	5.02520	5.01320	-.01230	-.02160
3.000	16.146	.05000	5.01420	-.01660	.02910	55.00000	.01780	5.02060	5.00780	-.01700	-.01610
3.000	18.170	.05270	5.00950	-.01660	.00970	55.00000	.01780	5.01590	5.00310	-.01230	-.02080
3.000	20.229	.05800	5.01920	-.01690	.02910	55.00000	.02670	5.02520	5.01320	-.01230	-.02160
3.000	22.213	.07180	5.00910	-.01150	.00970	55.00000	.01780	5.01590	5.00240	-.01230	-.01070
3.000	26.328	.05800	5.00990	-.02160	.01940	55.00000	.01780	5.01590	5.00390	-.01230	-.03090
3.000	29.806	-.01060	5.01650	-.01420	.03880	55.00000	.02670	5.02520	5.00780	-.01230	-.01610
	GRADIENT	-.03316	.00151	-.00151	.00544	.00000	.00000	.00000	.00303	-.00000	-.00303

AMES 11B-1-87 OA145C 01 (C2H013) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 40/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.182	.07290	10.01900	-.00200	.03880	55.00000	.00890	10.01200	10.02500	-.00940	.00530
3.000	2.411	.04830	10.02600	-.00410	.03880	55.00000	.01780	10.01700	10.03400	-.01420	.00590
3.000	4.933	.10680	10.01600	-.00440	.02910	55.00000	.00890	10.01200	10.02100	-.00940	.00050
3.000	10.065	.08270	10.01400	-.01170	.03880	55.00000	.01780	10.01700	10.01100	-.01420	-.00920
3.000	12.117	.07980	10.00300	-.00910	.01940	55.00000	.00890	10.00400	10.00200	-.00850	-.00970
3.000	14.124	.08010	10.01200	-.00930	.01940	55.00000	.01780	10.01200	10.01100	-.00940	-.00920
3.000	15.160	.06560	10.01400	-.00230	.02910	55.00000	.00890	10.01200	10.01600	-.00940	.00480
3.000	16.146	.04940	10.00900	-.00710	.02910	55.00000	.01780	10.01200	10.00700	-.00940	-.00490
3.000	18.170	.05310	10.00900	-.00710	.02910	55.00000	.01780	10.01200	10.00700	-.00940	-.00490
3.000	20.226	.05790	10.00100	-.01180	.01940	55.00000	.00890	10.00800	9.99270	-.01340	-.01030
3.000	22.628	.07380	10.01400	-.00640	.01940	55.00000	.00890	10.00800	10.02100	-.01340	.00050
3.000	25.394	.07350	10.00700	-.01850	.01940	55.00000	.00890	10.01300	10.00100	-.01820	-.01880
	GRADIENT	.00749	-.00070	-.00050	-.00208	.00000	-.00008	-.00004	-.00094	.00004	-.00104

RUN NO. 186/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.498	4.792	-.06880	10.01600	-.00510	.00970	55.00000	.00000	10.02100	10.01100	-.01020	-.00010
3.498	7.315	-.06930	10.03000	-.00530	.02910	55.00000	.00890	10.03500	10.02500	-.01590	.00530
3.498	9.766	-.05480	10.03000	-.00530	.02910	55.00000	.00890	10.03500	10.02500	-.01590	.00530
3.498	11.811	-.05480	10.02100	-.00510	.01940	55.00000	.00000	10.02600	10.01600	-.01500	.00480
3.498	13.830	-.05220	10.01600	-.00510	.01940	55.00000	.00000	10.02100	10.01100	-.01020	-.00010
3.498	14.856	-.06720	10.03200	-.00330	.02910	55.00000	.00890	10.03900	10.02500	-.01190	.00530
3.498	15.885	-.07950	9.98940	-.00470	-.01000	55.00000	-.01030	9.99470	9.98420	-.00770	-.00180
3.498	17.854	-.07660	10.01900	-.00750	.01940	55.00000	.00000	10.02600	10.01100	-.01500	-.00010
3.498	19.953	-.06350	10.01600	-.00510	.00970	55.00000	.00000	10.02100	10.01100	-.01020	-.00010
3.498	22.428	-.04250	10.02800	-.00770	.02910	55.00000	.00890	10.03500	10.02100	-.01590	.00050
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 11ft-1-87 OA145C 01 (C2H014) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	20.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 39/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.181	.06840	20.01900	-.01920	.02910	55.00000	.01780	20.01100	20.02700	-.04090	.00250
3.000	2.440	.03410	20.01600	-.01690	.01940	55.00000	.00890	20.00600	20.02700	-.03630	.00250
3.000	4.954	.09610	20.00700	-.02670	.01940	55.00000	.00890	20.00600	20.00700	-.03630	-.01710
3.000	7.465	.06350	20.02600	-.02680	.03880	55.00000	.02670	20.02000	20.03200	-.04050	-.01310
3.000	10.066	.07720	20.00100	-.02650	.01940	55.00000	.00890	20.00100	20.00200	-.04130	-.01160
3.000	12.139	.07460	20.03100	-.01670	.02910	55.00000	.01780	20.02000	20.04200	-.04050	.00700
3.000	14.123	.08080	20.01400	-.01940	.01940	55.00000	.00890	20.00100	20.02700	-.04130	.00250
3.000	15.156	.06630	20.01100	-.01670	.00970	55.00000	.00890	20.00600	20.01600	-.03630	.00290
3.000	16.146	.05030	20.03400	-.01940	.03880	55.00000	.02670	20.02000	20.04700	-.04050	.00170
3.000	18.177	.05580	20.01100	-.02180	.00970	55.00000	.00890	20.00100	20.02200	-.04130	-.00240
3.000	20.228	.06070	20.02600	-.01690	.02910	55.00000	.02670	20.01600	20.03700	-.03590	.00210
3.000	22.618	.07830	20.03600	-.02200	.03880	55.00000	.02670	20.02000	20.05200	-.04050	-.00360
3.000	25.389	.07390	20.00300	-.01380	.00970	55.00000	.00890	20.00100	20.00600	-.04130	.01360
	GRADIENT	.00616	-.00253	-.00162	-.00199	-.00000	-.00183	-.00103	-.00426	.00095	-.00418

AMES 11B-1-87 OA145C 01 (C2H015) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-5.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 45/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	.188	.07310	-4.93310	-.00130	.01940	55.00000	.00890	-4.92730	-4.93890	.00630	-.00890
3.001	1.871	.02950	-4.96110	.00800	.00970	55.00000	.00000	-4.94780	-4.97450	.00810	.00800
3.001	3.991	.08960	-4.92620	.01050	.03880	55.00000	.00890	-4.91700	-4.93540	.00530	.01560
3.001	6.076	.09610	-4.94970	-.01270	.02910	55.00000	.00000	-4.93200	-4.96750	.00160	-.02700
3.001	8.063	.09190	-4.95250	-.00990	.01940	55.00000	.00000	-4.93750	-4.96750	.00720	-.02700
3.001	10.101	.08700	-4.96520	-.00650	.00000	55.00000	.00000	-4.95250	-4.97800	.00340	-.01650
3.001	12.167	.08210	-4.94040	-.00340	.03880	55.00000	.00890	-4.92730	-4.95350	.00630	-.01300
3.001	14.173	.08210	-4.94380	.00930	.01940	55.00000	.00000	-4.94220	-4.94530	.00250	.01620
3.001	15.211	.06200	-4.93650	.01140	.01940	55.00000	.00000	-4.93750	-4.93540	.00720	.01560
3.001	16.191	.05180	-4.92580	.00070	.02910	55.00000	.00890	-4.93200	-4.91960	.00160	-.00010
3.001	18.229	.05450	-4.94450	-.01800	.01940	55.00000	.00890	-4.93200	-4.95700	.00160	-.03750
3.001	20.282	.06380	-4.94240	-.01070	.01940	55.00000	.00000	-4.93200	-4.95290	.00160	-.02290
3.001	22.267	.07050	-4.96420	-.02160	.00970	55.00000	.00000	-4.94690	-4.98150	-.00220	-.04100
3.001	26.348	.05570	-4.94900	.01460	.00970	55.00000	.00000	-4.94690	-4.95110	-.00220	.03140
3.001	29.798	-.00630	-4.94840	.00470	.00970	55.00000	.00000	-4.94220	-4.95470	.00250	.00680
	GRADIENT	.00536	.00244	.00302	.00547	.00000	.00018	.00321	.00167	-.00031	.00632

AMES 118-1-87 OA145C 01 (C2H016) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 46/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	.189	.07730	-9.94610	.00640	.00970	55.00000	.00890	-9.93250	-9.95970	-.00350	.01630
3.001	2.462	.05190	-9.92580	.00600	.03880	55.00000	.01780	-9.91180	-9.93970	-.00520	.01730
3.001	5.024	.10080	-9.92820	.00840	.01940	55.00000	.00890	-9.91180	-9.94450	-.00520	.02200
3.001	7.613	.09020	-9.96100	.00650	.00970	55.00000	.00000	-9.94760	-9.97450	-.00740	.02050
3.001	10.117	.08070	-9.94350	.00900	.01940	55.00000	.00890	-9.93250	-9.95450	-.00350	.02150
3.001	12.158	.08180	-9.95090	.00640	.00970	55.00000	.00000	-9.93720	-9.96450	-.00830	.02100
3.001	14.171	.08210	-9.93830	.00380	.02910	55.00000	.01780	-9.92690	-9.94970	-.00910	.01670
3.001	15.226	.06090	-9.94610	.00640	.00970	55.00000	.00890	-9.93250	-9.95970	-.00350	.01630
3.001	16.195	.05690	-9.94610	.00160	.00970	55.00000	.00890	-9.93720	-9.95500	-.00830	.01150
3.001	18.219	.05340	-9.93830	.00380	.02910	55.00000	.01780	-9.92690	-9.94970	-.00910	.01670
3.001	20.285	.06100	-9.93600	.00620	.02910	55.00000	.01780	-9.92220	-9.94970	-.00430	.01670
3.001	22.765	.08030	-9.95630	.00180	.00970	55.00000	.00000	-9.94760	-9.96500	-.00740	.01100
3.001	25.372	.09040	-9.96150	.00700	.00970	55.00000	.00000	-9.95320	-9.96970	-.00180	.01570
	GRADIENT	-.01117	.00893	-.00018	.01280	.00000	.00391	.00910	.00880	-.00075	.00044

RUN NO. 185/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.498	4.799	-.06190	-9.94110	.00660	.02910	55.00000	.00890	-9.93250	-9.94970	-.00350	.01670
3.498	7.311	-.05810	-9.93610	.01160	.02910	55.00000	.01780	-9.92770	-9.94450	.00120	.02200
3.498	9.751	-.04990	-9.95650	.01200	.00970	55.00000	.00000	-9.94840	-9.96450	.00290	.02100
3.498	11.805	-.05390	-9.94630	.01180	.01940	55.00000	.00890	-9.93810	-9.95450	.00210	.02150
3.498	13.823	-.05180	-9.93610	.01160	.02910	55.00000	.01780	-9.92770	-9.94450	.00120	.02200
3.498	14.872	-.06830	-9.94630	.01180	.01940	55.00000	.00890	-9.93810	-9.95450	.00210	.02150
3.498	15.854	-.07980	-9.95130	.00680	.01940	55.00000	.00890	-9.94280	-9.95970	-.00270	.01630
3.498	17.853	-.06960	-9.94870	.00940	.01940	55.00000	.00890	-9.94280	-9.95450	-.00270	.02150
3.498	19.909	-.06500	-9.95880	.00960	.00970	55.00000	.00000	-9.95320	-9.96450	-.00180	.02100
3.498	22.444	-.04560	-9.94390	.00940	.01940	55.00000	.00890	-9.93810	-9.94970	.00210	.01670
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (C2H017) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-20.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 477 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	.180	.06660	-19.97600	.03330	.00970	55.00000	.00000	-19.95000	-20.00100	.01840	.04820
3.001	2.531	.04840	-19.97600	.03330	.00970	55.00000	.00000	-19.95000	-20.00100	.01840	.04820
3.001	5.058	.09740	-19.98100	.03310	.00970	55.00000	.00000	-19.95600	-20.00600	.01310	.05300
3.001	7.325	.08610	-19.97800	.03580	.00970	55.00000	.00000	-19.94500	-20.01100	.02360	.04800
3.001	10.092	.08810	-19.98100	.02810	.00970	55.00000	.00000	-19.95600	-20.00600	.01310	.04320
3.001	12.152	.08250	-19.98100	.03320	.01940	55.00000	.00000	-19.95000	-20.01100	.01840	.04800
3.001	14.166	.08190	-19.97800	.03080	.01940	55.00000	.00000	-19.94600	-20.01100	.01360	.04800
3.001	15.201	.06250	-19.97100	.03360	.02910	55.00000	.00890	-19.93000	-20.01100	.01920	.04800
3.001	16.201	.05130	-19.97600	.01340	.00970	55.00000	.00000	-19.96600	-19.98700	.01270	.01400
3.001	18.233	.05420	-19.94900	.02170	.03880	55.00000	.00890	-19.93500	-19.96200	.02410	.01930
3.001	20.272	.06120	-19.94900	.02170	.02910	55.00000	.00000	-19.93500	-19.96200	.02410	.01930
3.001	22.758	.08060	-19.94100	.02440	.02910	55.00000	.00890	-19.92500	-19.95700	.02450	.02430
3.001	25.347	.07610	-19.97400	.02080	.00970	55.00000	.00000	-19.96600	-19.98200	.01270	.02880
	GRADIENT	-.00774	.00000	.00000	-.00000	-.00000	.00000	.00000	.00000	-.00000	.00000

AMES 118-1-87 OA145C 01 (C2H018) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-35.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 48/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	.183	.07680	-34.97800	.01380	.00000	55.00000	-.01030	-34.96500	-34.99000	.01430	.01330
3.001	2.546	.05820	-34.97000	.01150	.00970	55.00000	.00000	-34.95500	-34.98500	.01490	.00800
3.001	5.026	.10770	-34.97000	.01170	.01940	55.00000	.00000	-34.96100	-34.97900	.00970	.01380
3.001	7.610	.09540	-34.95400	.01750	.02910	55.00000	.00000	-34.94000	-34.96800	.02080	.01430
3.001	10.092	.08570	-34.97800	.01380	.00970	55.00000	.00000	-34.96500	-34.99000	.01430	.01330
3.001	12.144	.08500	-34.95100	.01490	.03880	55.00000	.00000	-34.94000	-34.96200	.02080	.00900
3.001	14.159	.08260	-34.95400	.01750	.02910	55.00000	.00000	-34.94000	-34.96800	.02080	.01430
3.001	15.197	.06290	-34.95900	.01200	.01940	55.00000	.00000	-34.94500	-34.97300	.01550	.00850
3.001	16.189	.05110	-34.94900	.01250	.03880	55.00000	.00890	-34.93600	-34.96200	.01610	.00900
3.001	18.203	.05540	-34.94900	.01220	.02910	55.00000	.00000	-34.94000	-34.95700	.02080	.00370
3.001	20.276	.06070	-34.94900	.01220	.03880	55.00000	.00000	-34.93000	-34.96800	.02130	.00320
3.001	22.801	.07530	-34.97000	.01150	.01940	55.00000	.00000	-34.95500	-34.98500	.01490	.00800
3.001	25.519	.07520	-34.97000	.00620	.01940	55.00000	.00000	-34.96100	-34.97900	.00970	.00270
	GRADIENT	-.00787	.00339	-.00097	.00410	.00000	.00436	.00423	.00212	.00025	-.00224

AMES 11B-1-87 OA145C 01 (C2H019) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPOBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 38/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-14.961	10.12600	.07800	.00600	.01940	55.00000	.00890	-14.96000	-14.96200	.00250	.00940
3.000	-12.946	10.12700	.07780	.00200	.02910	55.00000	.00890	-12.93900	-12.95300	-.00800	.01190
3.000	-9.926	10.12800	.07760	.00630	.03880	55.00000	.02670	-9.91660	-9.93450	-.00990	.02250
3.000	-7.940	10.12900	.07740	.00500	.02910	55.00000	.00890	-7.93680	-7.94320	-.00390	.01380
3.000	-4.945	10.13000	.07720	-.00310	.01940	55.00000	.00890	-4.93660	-4.95410	-.00310	-.00310
3.000	-3.921	10.12700	.07490	.00570	.03880	55.00000	.01780	-3.91640	-3.92650	.01260	-.00120
3.000	-1.934	10.12700	.07470	.00360	.02910	55.00000	.01780	-1.93290	-1.93580	.00300	.00420
3.000	.040	10.12800	.07450	-.00460	.03880	55.00000	.01780	.03700	.04280	-.00800	-.00120
3.000	2.023	10.12900	.07430	.00680	.01940	55.00000	.00000	2.01900	2.02770	-.00900	.02260
3.000	4.024	10.13000	.07410	-.01060	.03880	55.00000	.02670	4.03280	4.01500	-.00970	-.01150
3.000	5.026	10.13000	.07400	-.00960	.02910	55.00000	.02670	5.03460	5.01710	-.01230	-.00680
3.000	8.016	10.13200	.07360	-.01510	.02910	55.00000	.01780	8.02270	8.00920	-.02580	-.00440
3.000	10.024	10.13300	.07320	-.01200	.03880	55.00000	.01780	10.03200	10.01600	-.02870	.00480
	GRADIENT	.00014	-.00025	-.00074	.00062	-.00000	.00050	.99957	1.00043	-.00161	.00032

AMES 11B-1-87 OA145C 01 (C2H020) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 32/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
2.493	-14.938	15.32000	-.13650	.00830	.02910	55.00000	.02670	-14.93500	-14.94100	.01700	-.00040
2.493	-12.961	15.32000	-.13650	.00240	.00970	55.00000	.01780	-12.95500	-12.96800	-.00220	.00700
2.493	-9.941	15.32100	-.13660	-.00760	.00970	55.00000	.01780	-9.94670	-9.93550	-.01780	.00250
2.493	-7.960	15.32200	-.13640	.00550	.00000	55.00000	.00890	-7.96180	-7.95770	.01180	-.00070
2.493	-4.920	15.32300	-.13650	.00010	.02910	55.00000	.02670	-4.91150	-4.92960	-.00030	.00040
2.493	-3.946	15.32400	-.13640	.00090	.00000	55.00000	.00890	-3.94600	-3.94580	.00100	.00090
2.493	-1.958	15.32400	-.13630	.00820	.00000	55.00000	.00890	-1.95600	-1.95970	.00600	.01030
2.493	.028	15.32500	-.13630	.00300	.01940	55.00000	.01780	.02320	.03180	-.00380	.00980
2.493	2.008	15.32500	-.13620	.01190	.00000	55.00000	.00890	2.00410	2.01260	-.00410	.02780
2.493	4.015	15.32600	-.13610	-.00130	.01940	55.00000	.02670	4.01900	4.01140	-.00520	.00260
2.493	5.036	15.32600	-.13610	-.01030	.02910	55.00000	.03560	5.03460	5.03730	-.01230	-.00830
2.493	8.028	15.32900	-.13600	-.01930	.02910	55.00000	.02670	8.03420	8.02190	-.03730	-.00140
2.493	10.016	15.32900	-.13600	-.00510	.00970	55.00000	.01780	10.02100	10.01100	-.01020	-.00010
	GRADIENT	.00029	.00004	.00028	-.00018	-.00000	.00033	.99940	1.00061	-.00081	.00137

RUN NO. 33/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-14.966	15.13000	.06180	.00580	.00000	55.00000	.01780	-14.96500	-14.96700	.00770	.00380
3.000	-12.964	15.13100	.06180	.00520	.00000	55.00000	.01780	-12.96500	-12.96300	.00830	.00210
3.000	-9.946	15.13200	.06190	.00200	.00000	55.00000	.01780	-9.94280	-9.95020	-.00270	.00680
3.000	-7.935	15.13300	.06190	.00420	.02910	55.00000	.03560	-7.93260	-7.93710	.01050	-.00210
3.000	-4.933	15.13400	.06200	-.00170	.02910	55.00000	.03560	-4.91610	-4.94940	-.00490	.00160
3.000	-3.938	15.13600	.06210	-.00140	.00970	55.00000	.02670	-3.93640	-3.94050	.00160	-.00450
3.000	-1.958	15.13600	.06200	.00380	.00000	55.00000	.00890	-1.95160	-1.96410	.00160	.00590
3.000	.041	15.13700	.06210	-.00480	.03880	55.00000	.03560	.03730	.04420	.00130	-.01080
3.000	2.023	15.13700	.06210	.00680	.00970	55.00000	.01780	2.01900	2.02770	-.00900	.02260
3.000	4.001	15.13800	.06210	-.00670	.00970	55.00000	.02670	4.00510	3.99650	-.01000	-.00350
3.000	5.002	15.13900	.06240	-.00880	.00000	55.00000	.02670	5.01130	4.99230	-.00770	-.01000
3.000	8.018	15.14100	.06250	-.01190	.01940	55.00000	.03560	8.02250	8.01410	-.01450	-.00930
3.000	10.026	15.14300	.06270	-.00870	.01940	55.00000	.02670	10.01700	10.03400	-.01420	-.00320
	GRADIENT	.00036	.00001	-.00017	-.00075	-.00000	-.00056	.99871	1.00129	-.00098	.00064

AMES 118-1-87 OA145C 01 (C2H020) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 84/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.498	-14.935	14.73700	-.16330	.01140	.03880	55.00000	.02670	-14.93000	-14.94000	.00180	.02090
3.498	-12.951	14.74400	-.16300	-.00270	.02910	55.00000	.02670	-12.94900	-12.95300	-.00750	.00210
3.498	-9.941	14.74600	-.16280	.01160	.03880	55.00000	.02670	-9.93250	-9.94920	-.00350	.02680
3.498	-7.942	14.74800	-.16270	.00710	.03880	55.00000	.02670	-7.93760	-7.94740	.01560	-.00140
3.498	-4.943	14.75000	-.16270	.00420	.02910	55.00000	.02670	-4.93660	-4.95000	-.00310	.01150
3.498	-3.932	14.75000	-.16260	.00590	.03880	55.00000	.02670	-3.92670	-3.93710	.00230	.00950
3.498	-1.925	14.75000	-.16250	-.00050	.03880	55.00000	.02670	-1.91490	-1.93580	-.00510	.00420
3.498	.029	14.75200	-.16250	-.00630	.03880	55.00000	.02670	.02800	.03030	.00100	-.01370
3.498	2.043	14.75300	-.16240	.01170	.04850	55.00000	.03560	2.03880	2.04750	-.00880	.03220
3.498	4.024	14.75500	-.16230	-.00530	.03880	55.00000	.03560	4.01900	4.02990	-.00520	-.00540
3.498	5.039	14.75600	-.16220	-.01770	.04850	55.00000	.04450	5.04390	5.03340	-.01230	-.02310
3.498	8.028	14.75800	-.16210	-.00170	.04850	55.00000	.03560	8.03900	8.01800	.00200	-.00540
3.498	10.019	14.76200	-.16200	-.01140	.04850	55.00000	.03560	10.01700	10.02000	-.01420	-.00860
	GRADIENT	.00057	.00004	-.00055	.00112	-.00000	.00113	.99841	1.00159	-.00062	-.00047

AMES 118-1-87 OA145C 01 (C2H021) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 37/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-14.945	20.24700	.06340	.01130	.02910	55.00000	.00890	-14.94000	-14.95000	.00200	.02060
3.000	-12.959	20.24700	.06330	.00500	.02910	55.00000	.00890	-12.96000	-12.95800	.00300	.00700
3.000	-9.943	20.24800	.06340	.00380	.01940	55.00000	.00890	-9.93170	-9.95450	-.01380	.02150
3.000	-7.937	20.24900	.06340	.00180	.03880	55.00000	.01780	-7.93260	-7.94190	.01050	-.00690
3.000	-4.935	20.25000	.06360	-.00370	.00970	55.00000	.00890	-4.93660	-4.93420	-.00310	-.00420
3.000	-3.943	20.25000	.06360	-.00090	.01940	55.00000	.00000	-3.93640	-3.95010	.00160	-.00350
3.000	-1.942	20.25000	.06360	.00570	.02910	55.00000	.00890	-1.94230	-1.94080	.00230	.00920
3.000	.015	20.25100	.06370	.00190	.01940	55.00000	.00000	.01830	.01250	-.00870	.01250
3.000	2.023	20.25100	.06380	.00690	.02910	55.00000	.00890	2.02390	2.02260	-.01390	.02770
3.000	4.017	20.25200	.06400	-.00390	.03880	55.00000	.01780	4.02820	4.00620	-.00510	-.00270
3.000	5.011	20.25200	.06400	-.00880	.02910	55.00000	.01780	5.02060	5.00160	-.01700	-.00060
3.000	8.036	20.25400	.06380	-.02130	.03880	55.00000	.01780	8.03970	8.03130	-.03170	-.01080
3.000	10.019	20.25400	.06390	-.01170	.01940	55.00000	.00890	10.02200	10.01600	-.01900	-.00430
	GRADIENT	.00022	.00004	.00023	.00249	-.00000	.00106	1.00069	.99932	-.00109	.00155

AMES 118-1-87 OA145C 01 (C2H022) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 93/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.247	10.18700	10.01400	-.00710	.00000	55.00000	.01780	10.01700	10.01100	-.01420	-.00010
3.000	-4.169	10.16800	10.03200	-.00740	.01940	55.00000	.02670	10.03500	10.03000	-.01590	.00110
3.000	-2.037	10.15300	10.03000	-.00530	.01940	55.00000	.02670	10.03500	10.02500	-.01590	.00530
3.000	-.984	10.13800	10.02600	-.00460	.00970	55.00000	.02670	10.02600	10.02500	-.01500	.00530
3.000	.089	10.16500	10.05300	-.00520	.03880	55.00000	.04450	10.05300	10.05300	-.01750	.00710
3.000	1.131	10.21700	10.03200	-.00740	.02910	55.00000	.02670	10.03500	10.03000	-.01590	.00110
3.000	2.175	10.22900	10.03200	-.00740	.01940	55.00000	.02670	10.03500	10.03000	-.01590	.00110
3.000	3.212	10.25100	10.04400	-.00510	.02910	55.00000	.03560	10.04400	10.04300	-.01670	.00650
3.000	4.242	10.25500	10.02300	-.00730	.00970	55.00000	.01780	10.02600	10.02100	-.01500	.00050
3.000	6.401	10.25600	10.03200	-.00740	.01940	55.00000	.02670	10.03500	10.03000	-.01590	.00110
	GRADIENT	.01410	.00009	-.00006	.00006	.00000	-.00029	-.00005	.00024	.00001	-.00011

AMES 118-1-87 OA145C 01 (C2H023) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 92/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.344	15.12300	10.02100	-.00510	.00970	55.00000	.02670	10.02600	10.01600	-.01500	.00480
3.000	-4.241	15.12600	10.00700	-.00500	.00000	55.00000	.01780	10.01200	10.00200	-.00940	-.00060
3.000	-2.096	15.13600	10.03500	-.00500	.01940	55.00000	.03560	10.03500	10.03400	-.01590	.00590
3.000	-1.075	15.13600	10.03500	-.00500	.01940	55.00000	.03560	10.03500	10.03400	-.01590	.00590
3.000	-.013	15.13400	10.00700	-.00500	.00000	55.00000	.00890	10.01200	10.00200	-.00940	-.00060
3.000	1.058	15.14800	10.02300	-.00730	.00970	55.00000	.02670	10.02600	10.02100	-.01500	.00050
3.000	2.115	15.15600	10.03200	-.00740	.01940	55.00000	.02670	10.03500	10.03000	-.01590	.00110
3.000	3.164	15.15300	10.03900	-.00540	.01940	55.00000	.03560	10.04400	10.03400	-.01670	.00590
3.000	4.232	15.15800	10.06200	-.00540	.04850	55.00000	.04450	10.06100	10.06200	-.01840	.00770
3.000	6.364	15.15100	10.01400	-.00710	.00000	55.00000	.00890	10.01700	10.01100	-.01420	-.00010
	GRADIENT	.00396	.00435	-.00015	.00364	.00000	.00190	.00420	.00454	-.00079	.00050

AMES 118-1-87 OA145C 01 (C2H024) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 89/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.371	20.16800	10.01900	-.00680	.00970	55.00000	.03560	10.01700	10.02100	-.01420	.00050
3.000	-4.257	20.19500	10.02800	-.00730	.02910	55.00000	.04450	10.03100	10.02500	-.01990	.00530
3.000	-2.183	20.25200	10.00100	-.00690	.00000	55.00000	.01780	10.00400	9.99810	-.01740	.00360
3.000	-1.117	20.27900	10.00800	-.00460	.00000	55.00000	.02670	10.00800	10.00700	-.01340	.00420
3.000	-.068	20.33900	10.03500	-.00940	.03880	55.00000	.04450	10.03600	10.03400	-.02470	.00590
3.000	1.018	20.36500	10.01500	-.00260	.00970	55.00000	.02670	10.01700	10.01200	-.01420	.00900
3.000	2.096	20.33100	9.99460	-.00020	-.01000	55.00000	.00890	9.99950	9.98960	-.01250	.01210
3.000	3.143	20.32500	10.01700	-.00020	.00970	55.00000	.02670	10.01700	10.01700	-.01420	.01380
3.000	4.206	20.31800	10.03100	-.00480	.02910	55.00000	.04450	10.03100	10.03000	-.01990	.01020
3.000	6.332	20.30900	10.01900	-.00260	.01940	55.00000	.02670	10.02200	10.01700	-.01900	.01380
	GRADIENT	.01526	.00016	.00073	-.00040	.00000	-.00052	-.00005	.00031	.00033	.00111

AMES 118-1-87 OA145C 01 (C2H025) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 94/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.264	10.15500	-9.93580	-.00400	.01940	55.00000	.02670	-9.92130	-9.95020	-.01470	.00680
3.000	-2.042	10.15300	-9.93580	-.00400	.01940	55.00000	.02670	-9.92130	-9.95020	-.01470	.00680
3.000	-.989	10.12800	-9.92330	-.00650	.02910	55.00000	.03560	-9.91100	-9.93550	-.01550	.00250
3.000	.076	10.16300	-9.96870	-.00580	-.01000	55.00000	.00000	-9.95710	-9.98020	-.01690	.00520
3.000	1.119	10.21600	-9.93820	-.00630	.00970	55.00000	.02670	-9.92610	-9.95020	-.01940	.00680
3.000	2.171	10.22300	-9.94360	-.00620	.00970	55.00000	.01780	-9.93170	-9.95550	-.01380	.00150
3.000	3.222	10.24400	-9.95850	-.00600	.00000	55.00000	.00890	-9.94670	-9.97020	-.01780	.00580
3.000	4.247	10.25300	-9.96870	-.00580	-.01000	55.00000	.00000	-9.95710	-9.98020	-.01690	.00520
3.000	6.400	10.24700	-9.93820	-.00630	.00970	55.00000	.01780	-9.92610	-9.95020	-.01940	.00680
	GRADIENT	.02015	-.00491	-.00016	-.00432	-.00000	-.00394	-.00523	-.00459	-.00028	-.00007

AMES 118-1-87 OA145C 01 (C2H026) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 91/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.338	15.13300	-9.93860	-.00590	.02910	55.00000	.02670	-9.93170	-9.94550	-.01380	.00200
3.000	-4.253	15.12700	-9.92840	-.00610	.02910	55.00000	.04450	-9.92130	-9.93550	-.01470	.00250
3.000	-2.141	15.13200	-9.93580	-.00870	.02910	55.00000	.03560	-9.92610	-9.94550	-.01940	.00200
3.000	-1.081	15.13500	-9.92330	-.00650	.03880	55.00000	.04450	-9.91100	-9.93550	-.01550	.00250
3.000	-.004	15.13500	-9.99180	-.00750	-.01000	55.00000	.00000	-9.98810	-9.99550	-.01440	-.00050
3.000	1.076	15.14600	-9.94600	-.00850	.01940	55.00000	.02670	-9.93640	-9.95550	-.01860	.00150
3.000	2.133	15.15400	-9.96630	-.00820	.00000	55.00000	.01780	-9.95710	-9.97550	-.01690	.00050
3.000	3.210	15.15100	-9.91310	-.00670	.05820	55.00000	.04450	-9.90070	-9.92550	-.01630	.00300
3.000	4.246	15.15400	-9.93860	-.00590	.02910	55.00000	.02670	-9.93170	-9.94550	-.01380	.00200
3.000	6.359	15.14400	-9.94870	-.00580	.01940	55.00000	.01780	-9.94200	-9.95550	-.01300	.00150
	GRADIENT	.00359	-.00066	.00003	.00048	.00000	-.00153	-.00054	-.00077	.00010	-.00004

AMES 118-1-87 OA145C 01 (C2H027) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 90/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.382	20.17600	-9.95150	-.00300	.00970	55.00000	.02670	-9.94760	-9.95550	-.00740	.00150
3.000	-4.243	20.20000	-9.92840	-.00610	.02910	55.00000	.04450	-9.92130	-9.93550	-.01470	.00250
3.000	-2.178	20.25600	-9.95890	-.00560	.00000	55.00000	.01780	-9.95230	-9.96550	-.01220	.00100
3.000	-1.114	20.25700	-9.94870	-.00580	.00970	55.00000	.02670	-9.94200	-9.95550	-.01300	.00150
3.000	-.055	20.32300	-9.93080	-.00370	.01940	55.00000	.03560	-9.92130	-9.94020	-.01470	.00720
3.000	1.012	20.36300	-9.93860	-.00590	.01940	55.00000	.03560	-9.93170	-9.94550	-.01380	.00200
3.000	2.077	20.33500	-9.93860	-.00590	.01940	55.00000	.03560	-9.93170	-9.94550	-.01380	.00200
3.000	3.150	20.32600	-9.92090	-.00890	.03880	55.00000	.04450	-9.91100	-9.93070	-.01550	-.00230
3.000	4.219	20.30200	-9.95350	-.00570	.00000	55.00000	.01780	-9.94670	-9.96020	-.01780	.00620
3.000	6.314	20.30600	-9.94330	-.00590	.00970	55.00000	.02670	-9.93640	-9.95020	-.01860	.00680
	GRADIENT	.01441	.00014	-.00015	-.00003	.00000	-.00047	.00027	.00003	-.00037	.00005

AMES 118-1-87 OA145C 01 (C2H028) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = 2.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 78/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-14.973	10.13200	2.09490	.00890	-.01000	55.00000	.00000	-14.97500	-14.97200	-.00210	.01990
3.001	-12.961	10.13300	2.09500	-.00730	.00000	55.00000	.00890	-12.96400	-12.95800	-.01170	-.00280
3.001	-9.936	10.13400	2.09500	.00650	.00970	55.00000	.01780	-9.92690	-9.94450	-.00910	.02200
3.001	-7.930	10.13500	2.09510	.01420	.00000	55.00000	.00890	-7.93260	-7.92810	.01050	.01790
3.001	-7.332	15.17800	2.16000	-7.60210	.02910	55.00000	.00890	.27670	-14.94000	-15.21400	.01010
3.001	-5.943	10.13500	2.09500	.01510	.00970	55.00000	.01780	-5.94280	-5.94350	.02420	.00600
3.001	-4.956	10.13700	2.09400	-.00220	.00000	55.00000	.00000	-4.95250	-4.95870	.00340	-.00780
3.001	-3.936	10.13700	2.09400	.00560	.00000	55.00000	.00890	-3.93570	-3.93610	.01130	-.00010
3.001	-1.943	10.13800	2.09390	-.00120	.00000	55.00000	.00000	-1.94230	-1.94470	.00230	-.00470
3.001	.035	10.13900	2.09380	.00560	.00000	55.00000	.00890	.03730	.03180	.00130	.00980
3.001	2.036	10.14000	2.09380	.00920	.00970	55.00000	.00890	2.02890	2.04260	-.00890	.02730
3.001	4.015	10.14200	2.09280	-.01110	.00000	55.00000	.00890	4.02360	4.00530	-.00980	-.01230
3.001	5.031	10.14300	2.09270	-.01500	.00970	55.00000	.01780	5.03460	5.02790	-.01230	-.01760
3.001	8.029	10.14400	2.09270	-.01130	.00970	55.00000	.01780	8.02820	8.03060	-.02020	-.00240
3.001	10.025	10.14200	2.09520	-.01420	.00000	55.00000	.00890	10.03100	10.02000	-.01930	-.00860
	GRADIENT	.00055	-.00011	-.00049	.00045	.00000	.00078	1.00019	.99979	-.00205	.00107

AMES 118-1-87 OA145C 01 (C2H029) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 79/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-14.950	15.17700	2.15270	.00100	.02910	55.00000	.00000	-14.94900	-14.95100	-.00780	.00980
3.001	-12.951	15.17800	2.15270	-.00270	.02910	55.00000	.00890	-12.94900	-12.95300	-.00750	.00210
3.001	-9.931	15.17800	2.15250	.00150	.02910	55.00000	.00890	-9.92220	-9.94020	-.00430	.00720
3.001	-7.939	15.17800	2.15250	-.00530	.02910	55.00000	.00890	-7.94150	-7.93710	-.00850	-.00210
3.001	-4.941	15.17800	2.15240	.00650	.01940	55.00000	.00890	-4.93200	-4.95000	.00160	.01150
3.001	-3.949	15.17800	2.15230	-.00080	.00970	55.00000	.00000	-3.94150	-3.95550	-.00350	.00190
3.001	-1.941	15.17800	2.15240	.00600	.01940	55.00000	.00000	-1.93730	-1.94520	.00730	.00480
3.001	-.449	15.17800	2.15210	-.50220	2.36310	55.00000	.01780	-.92350	.02620	-.98650	-.01780
3.001	.033	15.17800	2.15210	-.00630	.01940	55.00000	.00890	.03220	.03320	-.01280	.00020
3.001	2.041	15.17800	2.15210	.00420	.03880	55.00000	.01780	2.03380	2.04770	-.01380	.02220
3.001	4.022	15.17800	2.15200	-.00350	.02910	55.00000	.01780	4.02820	4.01580	-.00510	-.00180
3.001	5.021	15.17800	2.15190	-.00450	.01940	55.00000	.01780	5.02520	5.01640	-.01230	.00330
3.001	8.020	15.17800	2.15180	-.00560	.01940	55.00000	.00890	8.02250	8.01710	-.01450	.00340
3.001	10.010	15.17800	2.15160	-.01130	.01940	55.00000	.00890	10.00800	10.01100	-.01340	-.00920
	GRADIENT	-.00000	-.00005	-.00311	.01348	-.00000	.00180	.99679	1.00320	-.00603	-.00020

AMES 118-1-87 OA145C 01 (C2H030) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = 2.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 80/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-14.966	20.13100	2.21520	.00610	.00970	55.00000	.00000	-14.96500	-14.96700	-.00240	.01470
3.001	-12.971	20.13100	2.21560	.00240	.00970	55.00000	.00000	-12.95900	-12.98300	-.00700	.01180
3.001	-9.934	20.13300	2.21580	.00450	.03880	55.00000	.02670	-9.93250	-9.93500	-.00350	.01250
3.001	-7.935	20.12700	2.21580	-.00070	.02910	55.00000	.00890	-7.92750	-7.94190	.00550	-.00690
3.001	-4.951	20.12800	2.21620	.00250	.01940	55.00000	.00000	-4.94780	-4.95410	.00810	-.00310
3.001	-3.938	20.12800	2.21630	.00340	.01940	55.00000	.00890	-3.93570	-3.94050	.01130	-.00450
3.001	-1.939	20.12800	2.21660	.00320	.02910	55.00000	.00890	-1.94230	-1.93580	.00230	.00420
3.001	.043	20.12800	2.21670	.00170	.02910	55.00000	.01780	.03280	.05250	.00580	-.00250
3.001	2.038	20.12900	2.21700	.00670	.03880	55.00000	.01780	2.03390	2.04280	-.00390	.01730
3.001	4.011	20.12900	2.21730	.00320	.01940	55.00000	.00890	4.01440	4.00700	-.00060	.00700
3.001	5.031	20.12900	2.21730	-.01030	.02910	55.00000	.01780	5.02990	5.03260	-.00770	-.01300
3.001	8.007	20.13000	2.21780	-.00260	.00970	55.00000	.00890	8.01120	8.00350	-.01430	.00910
3.001	10.028	20.13000	2.21820	-.00210	.02910	55.00000	.01780	10.02100	10.03400	-.01020	.00590
	GRADIENT	.00013	.00012	.00018	.00086	-.00000	.00115	.99967	1.00034	-.00134	.00170

AMES 118-1-87 OA145C 01 (C2H031) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 64/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-4.972	10.16900	-.01550	.01900	.00000	55.00000	.00890	.02560	.01240	-4.96530	-4.97890
3.001	-2.991	10.17000	-.01480	.04110	.01940	55.00000	.02670	.06050	.02180	-2.97810	-3.00320
3.001	-1.978	10.17000	-.01460	.03840	.00970	55.00000	.00890	.04900	.02790	-1.97900	-1.97720
3.001	-.979	10.17000	-.01420	.05860	.02910	55.00000	.02670	.05500	.06220	-.97500	-.98280
3.001	-.000	10.16800	-.01370	.01770	.00000	55.00000	.00000	.02280	.01250	-.01320	.01250
3.001	.984	10.16900	-.01370	.03300	.00000	55.00000	.00000	.02990	.03600	.98120	.98600
3.001	1.988	10.16800	-.01340	.03210	.00970	55.00000	.00890	.01900	.04520	1.98100	1.99520
3.001	2.976	10.16800	-.01320	.03030	.00000	55.00000	.00000	.03380	.02670	2.98140	2.97030
3.001	4.982	10.16800	-.01300	.03420	.01940	55.00000	.00890	.03410	.03430	4.97880	4.98530
3.001	7.979	10.16800	-.01250	.03950	.01940	55.00000	.00890	.03250	.04660	7.97550	7.98160
3.001	9.981	10.16800	-.01200	.04370	.00970	55.00000	.01780	.05060	.03680	9.96840	9.99380
	GRADIENT	-.00021	.00026	.00008	.00013	.00000	-.00137	-.00158	.00172	.99883	1.00115

AMES 118-1-87 OA145C 01 (C2H032) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 34/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-4.978	15.13900	.06160	.03850	.00970	55.00000	.02670	.03960	.03730	-4.97930	-4.97580
3.000	-2.983	15.13900	.06200	.04870	.01940	55.00000	.03560	.07060	.02680	-2.97760	-2.98850
3.000	-1.973	15.13900	.06210	.04310	.00970	55.00000	.02670	.05890	.02720	-1.97890	-1.96770
3.000	-.979	15.13900	.06220	.04790	.01940	55.00000	.03560	.05000	.04580	-.98000	-.97720
3.000	-.006	15.13900	.06230	.02320	.00970	55.00000	.01780	.02280	.02350	-.01320	.00150
3.000	.977	15.14000	.06240	.02060	.00000	55.00000	.01780	.02570	.01550	.96780	.98550
3.000	1.993	15.14000	.06250	.02250	.00000	55.00000	.00890	.01470	.03030	1.98530	2.00030
3.000	2.983	15.14000	.06280	.05330	.01940	55.00000	.02670	.04990	.05670	2.98600	2.98030
3.000	4.968	15.14000	.06290	.05280	.02910	55.00000	.02670	.05550	.05010	4.96670	4.96960
3.000	7.972	15.14000	.06320	.03270	.00970	55.00000	.01780	.03200	.03330	7.96500	7.97930
3.000	9.980	15.13900	.06370	.03650	.01940	55.00000	.02670	.04100	.03200	9.97000	9.98900
	GRADIENT	.00014	.00013	.00022	.00075	-.00000	-.00103	-.00122	.00168	.99978	1.00023

AMES 118-1-87 OA145C 01 (C2H032) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 176/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.496	-4.982	14.80200	-.06390	.03340	.01940	55.00000	.01780	.03960	.02720	-4.98860	-4.97500
3.496	-2.985	14.80200	-.06340	.05600	.03880	55.00000	.03560	.07060	.04140	-2.97760	-2.99330
3.496	-1.973	14.80200	-.06320	.03850	.01940	55.00000	.01780	.04900	.02790	-1.96900	-1.97720
3.496	-.986	14.80200	-.06300	.06090	.02910	55.00000	.02670	.06500	.05670	-.99500	-.97730
3.496	.005	14.80200	-.06280	.03080	.02910	55.00000	.01780	.02830	.03320	.01030	.00020
3.496	.984	14.80200	-.06270	.05190	.02910	55.00000	.02670	.05720	.04650	.97160	.99650
3.496	1.991	14.80200	-.06250	.02930	.01940	55.00000	.00890	.02840	.03030	1.98160	2.00030
3.496	2.977	14.80200	-.06240	.04900	.02910	55.00000	.01780	.06140	.03670	2.97450	2.98030
3.496	4.969	14.80200	-.06230	.04290	.03880	55.00000	.02670	.06490	.02090	4.97610	4.96140
3.496	7.983	14.80200	-.06230	.04980	.03880	55.00000	.01780	.04350	.05610	7.98650	7.98010
3.496	9.997	14.80200	-.06190	.03300	.02910	55.00000	.01780	.03380	.03220	9.98520	10.00800
	GRADIENT	.00000	.00016	-.00001	.00087	-.00000	-.00035	.00064	-.00066	1.00011	.99990

AMES 118-1-87 OA145C 01 (C2H033) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 71/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-4.990	20.25100	-.04900	.04620	.00970	55.00000	.00890	.05360	.03880	-4.98400	-4.99600
3.001	-2.991	20.25100	-.04840	.04110	.01940	55.00000	.01780	.06530	.01700	-2.98290	-2.99840
3.001	-1.973	20.25100	-.04830	.03850	.00000	55.00000	.00000	.04900	.02790	-1.96900	-1.97720
3.001	-.978	20.25100	-.04810	.04270	.00970	55.00000	.00890	.04500	.04030	-.98500	-.97170
3.001	-.002	20.25100	-.04800	.04230	.00970	55.00000	.00000	.04180	.04280	-.00320	-.00120
3.001	.979	20.25200	-.04800	.04700	.00970	55.00000	.00890	.04790	.04600	.98090	.97600
3.001	1.994	20.25100	-.04800	.05600	.01940	55.00000	.00890	.04200	.06990	1.97790	2.00990
3.001	2.968	20.25200	-.04800	.03810	.00970	55.00000	.00000	.03960	.03670	2.97570	2.96030
3.001	4.975	20.25200	-.04860	.02720	.00970	55.00000	.00000	.02940	.02500	4.97420	4.97600
3.001	7.987	20.25200	-.04780	.03680	.00970	55.00000	.00000	.03800	.03570	7.98100	7.99260
3.001	9.992	20.25200	-.04720	.03900	.00970	55.00000	.00000	.04100	.03700	9.97000	10.01300
	GRADIENT	.00012	.00006	-.00083	.00012	.00000	-.00103	-.00270	.00103	.99915	1.00085

AMES 118-1-87 OA145C 01 (C2H034) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 67/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	.287	.07390	.03930	4.98160	.00970	55.00000	.01780	.04440	.03430	4.97790	4.98530
3.001	1.922	-.00940	.04170	4.98390	.00970	55.00000	.01780	.04900	.03430	4.98260	4.98530
3.001	3.966	-.04300	.02690	4.98000	.00000	55.00000	.00890	.03410	.01970	4.97880	4.98120
3.001	5.958	-.05270	.03700	4.97930	.00970	55.00000	.01780	.04440	.02970	4.97790	4.98060
3.001	7.984	-.04010	.04450	4.98110	.00970	55.00000	.01780	.05460	.03430	4.97700	4.98530
3.001	10.046	-.03010	.02660	4.98500	.00000	55.00000	.00890	.03410	.01920	4.97880	4.99110
3.001	12.130	-.02020	.05200	4.97820	.01940	55.00000	.02670	.05460	.04950	4.97700	4.97950
3.001	14.136	-.03160	.04200	4.97900	.00970	55.00000	.01780	.04440	.03960	4.97790	4.98010
3.001	15.194	-.02140	.03960	4.97670	.00970	55.00000	.00890	.04440	.03490	4.97790	4.97540
3.001	16.110	-.01940	.02950	4.97740	.00000	55.00000	.00890	.03410	.02500	4.97880	4.97600
3.001	18.189	-.03960	.03960	4.97670	.00970	55.00000	.01780	.04440	.03490	4.97790	4.97540
3.001	20.246	-.04670	.03930	4.98160	.00970	55.00000	.01780	.04440	.03430	4.97790	4.98530
3.001	22.223	-.05370	.01920	4.98310	.00000	55.00000	.00890	.02390	.01450	4.97970	4.98650
3.001	26.317	-.06290	.02660	4.98500	.00000	55.00000	.00890	.03410	.01920	4.97880	4.99110
3.001	29.822	-.02540	.03930	4.98160	.01940	55.00000	.01780	.04440	.03430	4.97790	4.98530
	GRADIENT	-.03115	-.00353	-.00050	-.00272	-.00000	-.00250	-.00298	-.00410	.00016	-.00115

AMES 118-1-87 OA145C 01 (C2H035) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 77/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-14.952	10.11600	-.01300	5.01790	.00970	55.00000	.00000	-14.94800	-14.95700	5.01160	5.02430
3.001	-12.949	10.11600	-.01250	5.00440	.00970	55.00000	.00000	-12.90600	-12.99200	4.97480	5.03400
3.001	-9.948	10.11700	-.01190	5.00860	.00970	55.00000	.00000	-9.93600	-9.95940	5.00570	5.01160
3.001	-7.964	10.11800	-.01160	4.99960	.00000	55.00000	.00000	-7.94040	-7.98810	5.01210	4.98700
3.001	-4.948	10.11900	-.01120	4.99470	.00970	55.00000	.00890	-4.93070	-4.96600	4.99830	4.99100
3.001	-3.966	10.12000	-.01100	4.98700	.00000	55.00000	.00000	-3.96060	-3.97150	4.98050	4.99350
3.001	-1.967	10.12100	-.01040	4.97800	.00970	55.00000	.00890	-1.96440	-1.96940	4.97970	4.97640
3.001	.026	10.12300	-.00950	4.99010	.00000	55.00000	.00000	.02850	.02380	4.98440	4.99580
3.001	2.035	10.12400	-.00900	4.96880	.00000	55.00000	.00000	2.03190	2.03750	4.95650	4.98110
3.001	4.045	10.12300	-.00870	4.97670	.00970	55.00000	.00890	4.04300	4.04740	4.97600	4.97740
3.001	5.018	10.11800	-.01010	4.99430	.00000	55.00000	.00000	5.01950	5.01600	4.98350	5.00500
3.001	8.016	10.12000	-.00890	4.98880	.00000	55.00000	.00890	8.01380	8.01780	4.97520	5.00240
3.001	10.017	10.12100	-.00800	4.99680	.00000	55.00000	.00000	10.01600	10.01700	4.97870	5.01500
	GRADIENT	.00051	.00030	-.00198	-.00008	.00000	-.00007	.99819	1.00182	-.00262	-.00133

AMES 118-1-87 OA145C 01 (C2H036) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 76/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-14.960	15.24700	-.02960	5.01060	.00000	55.00000	.00000	-14.95700	-14.96300	5.00210	5.01900
3.001	-12.942	15.24800	-.02930	5.00630	.00970	55.00000	.00000	-12.90600	-12.97700	4.98420	5.02830
3.001	-9.953	15.24800	-.02910	5.00890	.00000	55.00000	.00000	-9.94120	-9.96410	5.01080	5.00690
3.001	-7.970	15.24900	-.02880	4.98930	.00000	55.00000	.00000	-7.95110	-7.98810	5.00140	4.97720
3.001	-4.968	15.25000	-.02840	4.99050	.00000	55.00000	.00000	-4.95560	-4.97970	4.98460	4.99630
3.001	-3.964	15.25000	-.02830	4.98490	.00970	55.00000	.00890	-3.95640	-3.97150	4.97640	4.99350
3.001	-1.972	15.25000	-.02810	4.97820	.00000	55.00000	.00000	-1.96960	-1.97480	4.97450	4.98180
3.001	.037	15.25100	-.02800	4.98420	.00970	55.00000	.00890	.03970	.03370	4.97320	4.99520
3.001	2.032	15.25300	-.02770	4.96550	.00000	55.00000	.00000	2.04220	2.02130	4.95540	4.97560
3.001	4.027	15.25300	-.02740	4.97330	.00000	55.00000	.00000	4.02950	4.02410	4.96250	4.98410
3.001	5.009	15.25300	-.02710	4.99430	.00000	55.00000	.00000	5.00650	5.01120	4.98850	5.00020
3.001	8.025	15.25400	-.02640	4.99770	.00970	55.00000	.00890	8.01810	8.03120	4.97960	5.01580
3.001	10.015	15.25500	-.02570	4.99390	.00970	55.00000	.00890	10.00600	10.02300	4.97820	5.00960
	GRADIENT	.00039	.00011	-.00209	-.00037	.00000	-.00034	.99947	1.00052	-.00265	-.00152

AMES 118-1-87 OA145C 01 (C2H037) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 75/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-14.950	20.28600	-.06200	5.01580	.02910	55.00000	.00000	-14.95200	-14.94700	5.00680	5.02470
3.001	-12.929	20.28600	-.06180	5.00380	.00970	55.00000	.00000	-12.89700	-12.96200	4.97470	5.03280
3.001	-9.960	20.28700	-.06170	5.01170	.00000	55.00000	.00000	-9.95100	-9.96930	5.01130	5.01220
3.001	-7.960	20.28900	-.06110	4.99950	.00000	55.00000	.00000	-7.95100	-7.96850	5.01200	4.98710
3.001	-4.944	20.29000	-.06100	4.98810	.00970	55.00000	.00890	-4.93400	-4.95350	4.97270	5.00350
3.001	-3.971	20.29000	-.06080	4.98140	.00000	55.00000	.00000	-3.96470	-3.97710	4.98470	4.97810
3.001	-1.954	20.29000	-.06060	4.97570	.00000	55.00000	.00890	-1.94440	-1.96440	4.97010	4.98140
3.001	.024	20.29100	-.06060	4.98780	.00000	55.00000	.00000	.02850	.01920	4.98440	4.99110
3.001	2.037	20.29100	-.06030	4.97110	.00000	55.00000	.00000	2.03650	2.03750	4.96110	4.98110
3.001	4.038	20.29300	-.05940	4.97470	.00000	55.00000	.00000	4.03400	4.04240	4.96700	4.98240
3.001	5.015	20.29100	-.06020	5.00080	.00000	55.00000	.00000	5.01450	5.01600	4.99650	5.00500
3.001	10.010	20.28700	-.05790	4.99460	.00000	55.00000	.00890	10.01200	10.00800	4.98330	5.00580
	GRADIENT	.00030	.00015	-.00128	-.00066	.00000	-.00078	.99852	1.00147	-.00142	-.00114

AMES 118-1-87 OA145C 01 (C2H038) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 65/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-5.001	10.16400	-.01470	-9.94850	.00970	55.00000	.01780	-9.95100	-9.94600	-5.00630	-4.99500
3.001	-3.005	10.16500	-.01460	-9.93960	.01940	55.00000	.01780	-9.94080	-9.93830	-3.00660	-3.00320
3.001	-1.996	10.16500	-.01470	-9.93500	.01940	55.00000	.01780	-9.93360	-9.93640	-1.99050	-2.00140
3.001	-.984	10.16500	-.01470	-9.93760	.01940	55.00000	.01780	-9.93450	-9.94060	-.99340	-.97550
3.001	-.107	10.16500	-.01470	-10.05100	.02910	55.00000	.01780	-10.16100	-9.94020	-.22120	.00720
3.001	.971	10.16500	-.01460	-9.99400	.00970	55.00000	.00890	-10.02100	-9.96710	.94030	1.00160
3.001	2.004	10.16500	-.01460	-9.96790	.00000	55.00000	.00000	-9.96270	-9.97320	2.00280	2.00510
3.001	3.009	10.16500	-.01470	-9.96450	.00000	55.00000	.00000	-9.95000	-9.97900	3.01300	3.00580
3.001	5.010	10.16400	-.01490	-9.93550	.01940	55.00000	.01780	-9.92670	-9.94420	5.01500	5.00580
3.001	8.004	10.16400	-.01540	-9.95380	.00970	55.00000	.00890	-9.92490	-9.98270	7.97490	8.03330
3.001	10.001	10.16400	-.01560	-9.96960	.00970	55.00000	.00890	-9.96990	-9.96930	9.99890	10.00300
	GRADIENT	.00000	.00000	-.00668	-.00387	-.00000	-.00352	-.00540	-.00797	.99970	1.00029

AMES 118-1-87 OA145C 01 (C2H038) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 61/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-5.001	15.25400	-.02780	-9.94310	.00970	55.00000	.00890	-9.95100	-9.93510	-5.00630	-4.99460
3.001	-3.008	15.25400	-.02810	-9.93680	.01940	55.00000	.02670	-9.94080	-9.93280	-3.00660	-3.00870
3.001	-2.188	15.25400	-.02820	-9.75760	.00970	55.00000	.00890	-9.95390	-9.56130	-1.99050	-2.38530
3.001	-.994	15.25500	-.02850	-9.93320	.01940	55.00000	.01780	-9.93040	-9.93610	-.99760	-.99070
3.001	-.108	15.25500	-.02870	-10.05500	.00970	55.00000	.00890	-10.15600	-9.95500	-.22670	.01150
3.001	.941	15.25500	-.02900	-10.00800	.00000	55.00000	.00000	-10.05400	-9.96230	.87480	1.00630
3.001	2.006	15.25500	-.02920	-9.93620	.01940	55.00000	.01780	-9.93790	-9.93450	2.00660	2.00510
3.001	3.002	15.25600	-.02930	-9.94730	.00970	55.00000	.00890	-9.93950	-9.95500	3.00250	3.00050
3.001	5.011	15.25700	-.02970	-9.94530	.01940	55.00000	.01780	-9.93650	-9.95420	5.01550	5.00630
3.001	8.009	15.25700	-.03000	-9.94400	.00970	55.00000	.00890	-9.91490	-9.97300	7.98490	8.03250
3.001	10.003	15.25700	-.03030	-9.95750	.01940	55.00000	.01780	-9.95540	-9.95960	10.01300	9.99300
	GRADIENT	.00028	-.00022	-.01674	-.00096	.00000	-.00179	-.00249	-.03099	.98344	1.01655

AMES 118-1-87 OA145C 01 (C2H040) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 70/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-4.993	20.24600	-.04720	-9.95210	.00000	55.00000	.00000	-9.94180	-9.96240	-4.98590	-5.00090
3.001	-3.004	20.24800	-.04780	-9.95490	.00000	55.00000	.00000	-9.95030	-9.95940	-3.01610	-2.99190
3.001	-2.000	20.24800	-.04780	-9.96040	.00000	55.00000	.00000	-9.95900	-9.96180	-2.00580	-1.99380
3.001	-.987	20.24800	-.04810	-9.93990	.00970	55.00000	.00000	-9.93870	-9.94100	-.98930	-.98580
3.001	.011	20.24800	-.04830	-9.92090	.01940	55.00000	.00890	-9.90200	-9.93970	.00470	.01730
3.001	1.000	20.24800	-.04850	-9.96420	.00000	55.00000	.00000	-9.95150	-9.97690	.99880	1.00190
3.001	1.991	20.24800	-.04870	-9.94530	.00000	55.00000	.00000	-9.93670	-9.95390	1.98670	1.99540
3.001	3.007	20.24800	-.04880	-9.96210	.00000	55.00000	-.01030	-9.95000	-9.97420	3.01300	3.00100
3.001	5.012	20.24800	-.04920	-9.96020	.00000	55.00000	.00000	-9.95100	-9.96930	5.01130	5.01220
3.001	7.996	20.24800	-.04990	-9.93590	.00000	55.00000	.00000	-9.91020	-9.96160	7.98020	8.01230
3.001	9.994	20.24800	-.05010	-9.97650	.00000	55.00000	.00000	-9.96990	-9.98310	9.97960	10.00800
	GRADIENT	.00018	-.00020	-.00010	.00018	.00000	-.00064	.00072	-.00091	1.00017	.99982

AMES 118-1-87 OA145C 01 (C2H041) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 66/ 0. RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	.250	.07600	-9.93510	5.00070	.02910	55.00000	.01780	-9.93090	-9.93930	5.00050	5.00090
3.001	1.917	-.02110	-9.95230	5.00390	.01940	55.00000	.00890	-9.94590	-9.95880	5.00620	5.00170
3.001	3.967	-.04060	-9.95700	4.99920	.00970	55.00000	.00890	-9.95050	-9.96350	5.00150	4.99700
3.001	5.976	-.05360	-9.96950	5.00240	.00000	55.00000	.00000	-9.96030	-9.97870	5.00200	5.00280
3.001	7.981	-.04550	-9.95030	5.01120	.00970	55.00000	.00890	-9.94120	-9.95940	5.01080	5.01160
3.001	10.080	-.02970	-9.94280	5.00830	.00970	55.00000	.00890	-9.92670	-9.95880	5.01500	5.00170
3.001	12.120	-.02230	-9.95760	5.00910	.00000	55.00000	.00000	-9.94640	-9.96870	5.01600	5.00220
3.001	14.150	-.03350	-9.95260	5.00890	.00000	55.00000	.00890	-9.93650	-9.96870	5.01550	5.00220
3.001	15.167	-.02440	-9.96280	5.01430	.00000	55.00000	.00000	-9.95620	-9.96930	5.01650	5.01220
3.001	16.162	-.02040	-9.96020	5.01170	.00000	55.00000	.00000	-9.95100	-9.96930	5.01130	5.01220
3.001	18.204	-.04010	-9.96510	5.01200	.00000	55.00000	.00000	-9.95620	-9.97400	5.01650	5.00750
3.001	20.230	-.04960	-9.94800	5.01350	.00970	55.00000	.00890	-9.93650	-9.95940	5.01550	5.01160
3.001	22.230	-.05490	-9.95550	5.01640	.00000	55.00000	.00890	-9.94640	-9.96470	5.01600	5.01680
3.001	26.327	-.06570	-9.95790	5.01410	.00970	55.00000	.00890	-9.93650	-9.97920	5.01550	5.01270
3.001	29.821	-.02770	-9.96310	5.01930	.00000	55.00000	.00890	-9.94640	-9.97980	5.01600	5.02270
	GRADIENT	-.03054	-.00576	-.00047	-.00520	-.00000	-.00230	-.00516	-.00635	.00017	-.00110

AMES 118-1-87 OA145C 01 (C2H042) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 63/ 0. RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-5.009	10.17500	-.01570	10.04000	.02910	55.00000	.02670	10.03600	10.04300	-5.01390	-5.00500
3.001	-3.512	10.17500	-.01480	10.54000	.02910	55.00000	.01780	10.54000	10.54100	-3.52420	-3.50050
3.001	-2.007	10.17500	-.01360	10.02600	.01940	55.00000	.01780	10.02400	10.02700	-2.01570	-1.99910
3.001	-1.007	10.17500	-.01310	10.00800	.00000	55.00000	.00890	10.00300	10.01200	-1.01140	-1.00360
3.001	-.007	10.17600	-.01240	10.01900	.00970	55.00000	.00890	10.01700	10.02100	-.01420	.00050
3.001	.990	10.17500	-.01180	10.02900	.01940	55.00000	.01780	10.02500	10.03300	.98820	.99250
3.001	1.987	10.17500	-.01120	10.02700	.01940	55.00000	.01780	10.02500	10.03000	1.97620	1.99700
3.001	2.987	10.17500	-.01050	10.02200	.01940	55.00000	.01780	10.00800	10.03700	2.98130	2.99210
3.001	4.992	10.17500	-.00930	10.01200	.00970	55.00000	.01780	10.00600	10.01800	4.97820	5.00500
3.001	7.734	10.17500	-.00790	9.75060	.00970	55.00000	.00890	9.48060	10.02100	7.45270	8.01550
3.001	9.985	10.17500	-.00620	10.03400	.01940	55.00000	.01780	10.01700	10.05100	9.96300	10.00700
	GRADIENT	-.00001	.00064	-.03960	-.00087	.00000	.00035	-.04055	-.03857	.99983	1.00016

AMES 118-1-87 OA145C 01 (C2H043) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 62/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-5.017	15.24800	-.03160	10.03800	.01940	55.00000	.01780	10.04100	10.03400	-5.02850	-5.00480
3.001	-3.522	15.25900	-.03140	10.52600	.00970	55.00000	.00890	10.52600	10.52500	-3.53790	-3.50620
3.001	-2.013	15.25900	-.03030	10.03700	.02910	55.00000	.02670	10.04100	10.03200	-2.02220	-2.00380
3.001	-1.005	15.26000	-.02960	10.01300	.00000	55.00000	.00890	10.02000	10.00700	-1.01900	-.99010
3.001	-.005	15.26000	-.02890	10.02100	.01940	55.00000	.01780	10.02100	10.02100	-.01020	.00050
3.001	.998	15.25900	-.02850	10.00800	.00000	55.00000	.00000	10.00700	10.01000	.98880	1.00610
3.001	1.990	15.26000	-.02790	10.01900	.00970	55.00000	.01780	10.00900	10.03000	1.98340	1.99700
3.001	2.981	15.26000	-.02740	10.02800	.00970	55.00000	.00890	10.02300	10.03300	2.97490	2.98760
3.001	4.991	15.25900	-.02610	10.02200	.00970	55.00000	.01780	10.01100	10.03300	4.97360	5.00870
3.001	7.739	15.25900	-.02430	9.76600	.01940	55.00000	.01780	9.50100	10.03100	7.46330	8.01570
3.001	9.985	15.25900	-.02220	10.01400	.00970	55.00000	.01780	10.00800	10.02100	9.97200	9.99860
	GRADIENT	.00003	.00061	-.03855	-.00083	-.00000	-.00004	-.04035	-.03661	1.00012	.99987

AMES 11B-1-87 OA145C 01 (C2H044) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 72/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-5.002	20.24600	-.05480	10.02300	.00970	55.00000	.00000	10.02600	10.01900	-5.00390	-4.99980
3.001	-3.522	20.24600	-.05370	10.53000	.00970	55.00000	.00890	10.53100	10.53000	-3.53340	-3.51140
3.001	-2.007	20.24600	-.05250	10.02100	.00970	55.00000	.00890	10.02400	10.01900	-2.01570	-1.99840
3.001	-1.005	20.24600	-.05180	10.02700	.00970	55.00000	.00890	10.02400	10.02900	-1.01450	-.99570
3.001	-.000	20.24600	-.05100	10.01200	.00000	55.00000	.00000	10.01200	10.01200	-.00940	.00900
3.001	.991	20.24600	-.05080	10.02000	.01940	55.00000	.00890	10.01600	10.02400	.98850	.99260
3.001	1.988	20.24600	-.05030	10.01300	.00970	55.00000	.00000	10.00500	10.02100	1.97910	1.99740
3.001	2.991	20.24600	-.04990	10.02700	.00970	55.00000	.00000	10.01800	10.03500	2.97060	3.01200
3.001	5.006	20.24600	-.04860	10.01700	.00970	55.00000	.00890	10.01200	10.02200	4.99310	5.01960
3.001	7.739	20.24600	-.04640	9.74560	.00000	55.00000	.00000	9.47590	10.01500	7.46770	8.01020
3.001	9.978	20.24600	-.04420	10.03700	.01940	55.00000	.00890	10.02600	10.04700	9.96350	9.99200
	GRADIENT	.00000	.00057	-.05618	.00031	.00000	-.00149	-.05793	-.05466	.99930	1.00072

AMES 118-1-87 OA145C 01 (C2H045) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 68/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	.259	.07090	10.00500	4.98870	.00000	55.00000	.01780	9.99210	10.01900	4.98250	4.99500
3.001	1.945	-.01610	10.00500	4.98870	.00000	55.00000	.01780	9.99210	10.01900	4.98250	4.99500
3.001	3.958	-.03990	10.00800	4.98640	.00000	55.00000	.01780	9.99670	10.01900	4.97780	4.99500
3.001	5.994	-.04810	10.01800	4.98620	.00970	55.00000	.01780	10.00600	10.02900	4.97820	4.99420
3.001	7.999	-.04150	10.00800	4.99170	.00000	55.00000	.00890	10.00200	10.01300	4.98290	5.00040
3.001	10.074	-.02420	10.02000	4.98850	.00970	55.00000	.02670	10.00600	10.03300	4.97820	4.99870
3.001	12.152	-.01700	10.00800	4.98640	.00000	55.00000	.01780	9.99670	10.01900	4.97780	4.99500
3.001	14.142	-.02910	9.99780	4.99190	.00000	55.00000	.00890	9.99210	10.00300	4.98250	5.00130
3.001	15.204	-.01820	9.98830	4.98710	-.01000	55.00000	.00000	9.98230	9.99430	4.98210	4.99210
3.001	16.158	-.01710	9.99790	4.98660	.00000	55.00000	.00890	9.98700	10.00900	4.97740	4.99580
3.001	18.169	-.03620	10.02000	4.98350	.01940	55.00000	.02670	10.00600	10.03400	4.97820	4.98870
3.001	20.233	-.04680	10.00800	4.98640	.00000	55.00000	.01780	9.99670	10.01900	4.97780	4.99500
3.001	22.223	-.05390	10.00000	4.98920	.00000	55.00000	.01780	9.99210	10.00900	4.98250	4.99580
3.001	26.362	-.06090	10.01500	4.98890	.00970	55.00000	.01780	10.00600	10.02300	4.97820	4.99960
3.001	29.823	-.01900	10.01800	4.98620	.00970	55.00000	.02670	10.00600	10.02900	4.97820	4.99420
	GRADIENT	-.02928	.00083	-.00064	.00000	.00000	.00000	.00127	.00000	-.00130	.00000

AMES 118-1-87 OA145C 01 (C2H048) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 69/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-6.339	15.11800	.02150	4.98540	.00000	55.00000	.00890	.02390	.01920	4.97970	4.99110
3.001	-4.245	15.12200	.03160	4.98470	.00970	55.00000	.00890	.03410	.02910	4.97880	4.99060
3.001	-3.171	15.12300	.01950	4.97820	.00000	55.00000	.00000	.01920	.01970	4.97510	4.98120
3.001	-2.129	15.12700	.03160	4.98470	.00000	55.00000	.00890	.03410	.02910	4.97880	4.99060
3.001	-1.057	15.13100	.02410	4.98280	.00000	55.00000	.00000	.02390	.02440	4.97970	4.98590
3.001	-.015	15.13300	.02180	4.98050	.00000	55.00000	.00000	.02390	.01970	4.97970	4.98120
3.001	1.062	15.14500	.02650	4.98520	.00000	55.00000	.00000	.02850	.02440	4.98440	4.98590
3.001	2.108	15.14900	.02650	4.98520	.00000	55.00000	.00000	.02850	.02440	4.98440	4.98590
3.001	3.185	15.14700	.01400	4.98360	.00000	55.00000	-.01030	.01360	.01450	4.98070	4.98650
3.001	4.224	15.15100	.00630	4.98670	-.01000	55.00000	-.01030	.00800	.00460	4.98620	4.98710
3.001	6.343	15.14000	.04430	4.98130	.01940	55.00000	.00000	.04440	.04420	4.97790	4.98470
	GRADIENT	.00387	-.00198	.00043	-.00124	.00000	-.00198	-.00201	-.00194	.00098	-.00012

AMES 118-1-87 OA145C 01 (C2H047) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = -5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 179/ 0 RN/L = 2.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.496	4.752	-.05890	.02800	-4.97170	.00970	55.00000	.00000	.03960	.01640	-4.97930	-4.96420
3.496	7.294	-.05940	.03300	-4.97680	.01940	55.00000	.00890	.04430	.02180	-4.98400	-4.96960
3.496	9.781	-.05100	.03300	-4.97680	.00970	55.00000	.00890	.04430	.02180	-4.98400	-4.96960
3.496	11.835	-.05510	.02840	-4.97680	.00970	55.00000	.00890	.03960	.01710	-4.97930	-4.97430
3.496	13.837	-.05100	.03810	-4.97720	.01940	55.00000	.01780	.04890	.02720	-4.97930	-4.97500
3.496	14.874	-.06830	.03300	-4.97680	.01940	55.00000	.00890	.04430	.02180	-4.98400	-4.96960
3.496	15.854	-.07920	.05750	-4.97790	.03880	55.00000	.02670	.06760	.04740	-4.97930	-4.97650
3.496	17.882	-.07500	.02840	-4.97680	.00970	55.00000	.00890	.03960	.01710	-4.97930	-4.97430
3.496	19.921	-.06460	.02800	-4.97640	.01940	55.00000	.01780	.04430	.01170	-4.98400	-4.96890
3.496	22.411	-.04090	.03540	-4.97450	.01940	55.00000	.01780	.04890	.02180	-4.97930	-4.96960
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (C2H048) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 49/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-9.476	10.16600	.07320	.03320	-.00130	.00000	55.00000	.03730	.02900	.00130	-.00400
3.001	-4.926	10.16500	.07480	.03040	.00140	.00000	55.00000	.03730	.02350	.00130	.00150
3.001	-2.417	10.16500	.07570	.04700	-.00200	.02910	55.00000	.05120	.04280	-.00280	-.00120
3.001	.036	10.16500	.07660	.03750	-.00150	.01940	55.00000	.04180	.03320	-.00320	.00020
3.001	2.504	10.16500	.07730	.04270	-.00180	.00970	55.00000	.04670	.03870	.00170	-.00530
3.001	4.998	10.16600	.07800	.04270	-.00180	.01940	55.00000	.04670	.03870	.00170	-.00530
3.001	10.010	10.16600	.07940	.03540	-.00360	.01940	55.00000	.04180	.02900	-.00320	-.00400
	GRADIENT	.00006	.00032	.00082	-.00025	.00079	.00000	.00058	.00107	.00021	-.00071

AMES 118-1-87 OA145C 01 (C2H049) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 36/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-22.746	15.14500	.05760	.01500	-.00600	.00970	55.00000	.00930	.02070	.00030	-.01230
3.000	-17.917	15.14400	.05810	.01230	-.00330	.01940	55.00000	.00930	.01520	.00030	-.00680
3.000	-14.947	15.14400	.05860	.02180	-.00380	.02910	55.00000	.01870	.02480	.00070	-.00820
3.000	-9.485	15.14200	.06010	.03130	-.00430	.03880	55.00000	.02800	.03450	.00100	-.00950
3.000	-4.946	15.14200	.06110	.02180	-.00380	.02910	55.00000	.01870	.02480	.00070	-.00820
3.000	-2.447	15.14200	.06170	.00740	-.00260	.00970	55.00000	.00930	.00550	.00030	-.00550
3.000	.036	15.14200	.06240	.02380	-.00170	.03880	55.00000	.01870	.02900	.00070	-.00400
3.000	2.504	15.14200	.06270	.01450	-.00550	.02910	55.00000	.01380	.01520	-.00420	-.00680
3.000	4.978	15.14200	.06330	.00950	-.00050	.01940	55.00000	.00930	.00970	.00030	-.00130
3.000	10.031	15.14300	.06450	.01690	-.00310	.01940	55.00000	.01870	.01520	.00070	-.00680
3.000	15.017	15.14400	.06540	.02180	-.00380	.02910	55.00000	.01870	.02480	.00070	-.00820
3.000	22.811	15.14500	.06670	.00280	-.00280	.01940	55.00000	.00000	.00550	.00000	-.00550
	GRADIENT	.00000	.00022	-.00071	.00015	.00000	-.00000	-.00058	-.00083	-.00021	.00050

AMES 118-1-87 OA145C 01 (C2H049) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 178/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.496	-22.746	14.80400	-.06690	.01590	-.00210	.00000	55.00000	.02770	.00420	-.00830	.00420
3.496	-17.927	14.80300	-.06630	.03270	-.00080	.01940	55.00000	.04180	.02350	-.00320	.00150
3.496	-14.968	14.80300	-.06590	.02040	.00240	.00970	55.00000	.03250	.00830	-.00350	.00830
3.496	-9.494	14.80200	-.06500	.02320	-.00030	.00970	55.00000	.03250	.01380	-.00350	.00280
3.496	-4.916	14.80200	-.06390	.03270	-.00080	.01940	55.00000	.04180	.02350	-.00320	.00150
3.496	-2.537	14.80200	-.06350	.02040	.00240	.00970	55.00000	.03250	.00830	-.00350	.00830
3.496	.053	14.80200	-.06280	.03730	-.00070	.02910	55.00000	.05120	.02350	-.00280	.00150
3.496	2.534	14.80200	-.06230	.02320	-.00030	.00970	55.00000	.03250	.01380	-.00350	.00280
3.496	5.038	14.80200	-.06200	.02540	-.00260	.01940	55.00000	.03700	.01380	-.00800	.00280
3.496	9.999	14.80200	-.06120	.02990	.00190	.01940	55.00000	.04180	.01800	-.00320	.00700
3.496	15.038	14.80300	-.06020	.01830	.00030	.00970	55.00000	.03250	.00420	-.00350	.00420
	GRADIENT	.00000	.00022	-.00044	-.00007	-.00036	-.00000	-.00034	-.00052	-.00001	-.00013

AMES 118-1-87 OA145C 01 (C2H050) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 50/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-9.485	20.27700	.06130	.03540	-.00360	.01940	55.00000	.04180	.02900	-.00320	-.00400
3.001	-4.936	20.27700	.06200	.03560	.00110	.00970	55.00000	.04220	.02900	.00620	-.00400
3.001	-2.427	20.27800	.06190	.02590	-.00310	.00000	55.00000	.03250	.01930	-.00350	-.00270
3.001	-.021	20.27800	.06240	.00000	.00000	-.02000	55.00000	.00000	.00000	.00000	.00000
3.001	2.504	20.27800	.06290	.03780	-.00120	.00970	55.00000	.04670	.02900	.00170	-.00400
3.001	4.998	20.27800	.06290	.03640	-.00810	.01940	55.00000	.04670	.02620	.00170	-.01780
3.001	10.031	20.27800	.06370	.04590	-.00860	.02910	55.00000	.05600	.03580	.00200	-.01920
	GRADIENT	.00008	.00011	.00057	-.00067	.00119	-.00000	.00096	.00018	-.00015	-.00117

AMES 11B-1-87 OA145C 01 (C2H051) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 52/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	.190	.06930	.03110	-.00340	.01940	55.00000	-4.94620	.03730	.02480	.00130	-.00820
3.001	2.562	.05150	.04270	-.00180	.02910	55.00000	-4.93600	.04670	.03870	.00170	-.00530
3.001	5.039	.09560	.04330	-.00670	.02910	55.00000	-4.93600	.04670	.04000	.00170	-.01500
3.001	7.621	.08110	.02420	-.00480	.00970	55.00000	-4.94620	.03730	.01100	.00130	-.01100
3.001	10.113	.08060	.04120	.00670	.00970	55.00000	-4.94620	.03250	.04980	-.00350	.01680
3.001	12.167	.07800	.03710	-.01290	.01940	55.00000	-4.93600	.04670	.02750	.00170	-.02750
3.001	14.166	.07870	.02900	-.00550	.00970	55.00000	-4.94620	.03730	.02070	.00130	-.01230
3.001	15.203	.06120	.02420	-.00480	.00970	55.00000	-4.93600	.03730	.01100	.00130	-.01100
3.001	16.187	.05020	.01400	.00050	.00000	55.00000	-4.95640	.02800	.00000	.00100	.00000
3.001	18.204	.05220	.02380	-.00520	.00970	55.00000	-4.94620	.03250	.01520	-.00350	-.00680
3.001	20.302	.06010	.03480	.00120	.01940	55.00000	-4.93600	.04180	.02770	-.00320	.00570
3.001	22.769	.07800	.01160	-.00190	.00000	55.00000	-4.95640	.02320	.00000	-.00380	.00000
3.001	25.492	.07540	.03640	-.00810	.01940	55.00000	-4.93600	.04670	.02620	.00170	-.01780
	GRADIENT	-.00750	.00489	.00067	.00409	.00000	.00430	.00396	.00586	.00017	.00122

RUN NO. 184/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.498	4.767	-.06230	.02830	.00280	.01940	55.00000	-4.94620	.02350	.03320	.00550	.00020
3.498	7.312	-.05980	.02630	.00070	.00970	55.00000	-4.95640	.02350	.02900	.00550	-.00400
3.498	9.736	-.05390	.02400	.00300	.00970	55.00000	-4.95640	.01900	.02900	.01000	-.00400
3.498	11.796	-.05700	.01880	.00330	.00970	55.00000	-4.95640	.01420	.02350	.00520	.00150
3.498	13.823	-.05370	.04060	-.00040	.02910	55.00000	-4.93600	.03280	.04830	.00580	-.00670
3.498	14.854	-.06820	.03580	.00020	.01940	55.00000	-4.94620	.03280	.03870	.00580	-.00530
3.498	15.860	-.08040	.03370	-.00180	.02910	55.00000	-4.94620	.03280	.03450	.00580	-.00950
3.498	17.877	-.07680	.03350	.00250	.01940	55.00000	-4.94620	.02930	.03870	.01030	-.00530
3.498	19.924	-.06570	.03350	.00250	.01940	55.00000	-4.94620	.02830	.03870	.01030	-.00530
3.498	22.428	-.04410	.03580	.00020	.01940	55.00000	-4.94620	.03280	.03870	.00580	-.00530
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (C2H052) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 53/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-6.256	10.14800	.02870	-.00580	.00970	55.00000	-4.94620	.03250	.02480	-.00350	-.00820
3.001	-4.163	10.14000	.03530	.00070	.00970	55.00000	-4.94620	.03730	.03320	.00130	.00020
3.001	-2.051	10.12400	.04060	-.00390	.01940	55.00000	-4.93600	.04670	.03450	.00170	-.00950
3.001	-.992	10.10600	.04630	-.01370	.03880	55.00000	-4.92590	.05120	.04130	-.00280	-.02470
3.001	.077	10.13500	.01710	-.00740	.00000	55.00000	-4.95640	.02320	.01100	-.00380	-.01100
3.001	1.118	10.20500	.01710	-.00740	.00000	55.00000	-4.94620	.02320	.01100	-.00380	-.01100
3.001	2.167	10.22100	.04080	-.00820	.01940	55.00000	-4.92590	.05120	.03030	-.00280	-.01370
3.001	3.202	10.23700	.04980	-.00480	.02910	55.00000	-4.92590	.05120	.04830	-.00280	-.00670
3.001	4.240	10.24800	.04330	-.00670	.02910	55.00000	-4.92590	.04670	.04000	.00170	-.01500
3.001	6.381	10.24300	.04220	-.00130	.01940	55.00000	-4.92590	.05120	.03320	-.00280	.00020
	GRADIENT	.01724	.00082	-.00052	.00135	-.00000	.00212	.00091	.00074	-.00024	-.00079

AMES 118-1-87 OA145C 01 (C2H053) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 54/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-6.346	15.22300	.03960	.00060	.01940	55.00000	-4.92590	.04180	.03730	-.00320	.00430
3.001	-4.237	15.20500	.02370	-.00080	.00970	55.00000	-4.93600	.02800	.01930	.00100	-.00270
3.001	-2.127	15.20400	.03190	-.01260	.01940	55.00000	-4.92590	.04180	.02200	-.00320	-.02200
3.001	-1.061	15.20600	.04010	-.00340	.02910	55.00000	-4.92590	.05120	.02900	-.00280	-.00400
3.001	-.005	15.22000	.03610	-.00840	.02910	55.00000	-4.92590	.04180	.03030	-.00320	-.01370
3.001	1.056	15.20900	.01710	-.00740	.00970	55.00000	-4.93600	.02320	.01100	-.00380	-.01100
3.001	2.123	15.21800	.03400	-.01050	.02910	55.00000	-4.92590	.04180	.02620	-.00320	-.01780
3.001	3.196	15.22800	.03400	-.01050	.02910	55.00000	-4.92590	.04180	.02620	-.00320	-.01780
3.001	4.277	15.23400	.02450	-.01000	.01940	55.00000	-4.93600	.03250	.01650	-.00350	-.01650
3.001	6.377	15.24200	.02180	-.00720	.01940	55.00000	-4.94620	.03250	.01100	-.00350	-.01100
	GRADIENT	.00348	-.00008	-.00083	.00114	.00000	.00002	.00004	-.00019	-.00038	-.00127

AMES 118-1-87 OA145C 01 (C2H054) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 55/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-6.378	20.19300	.02450	-.01000	.01940	55.00000	-4.93600	.03250	.01650	-.00350	-.01650
3.001	-4.295	20.22700	.02450	-.01000	.01940	55.00000	-4.93600	.03250	.01650	-.00350	-.01650
3.001	-2.201	20.27700	.02690	-.00760	.01940	55.00000	-4.92590	.03730	.01650	.00130	-.01650
3.001	-1.132	20.29000	.04350	-.01100	.02910	55.00000	-4.91570	.05120	.03580	-.00280	-.01920
3.001	-.068	20.34200	.03400	-.01050	.02910	55.00000	-4.92590	.04180	.02620	-.00320	-.01780
3.001	1.016	20.36700	.02950	-.01500	.01940	55.00000	-4.93600	.03700	.02200	-.00800	-.02200
3.001	2.076	20.33800	.03190	-.01260	.02910	55.00000	-4.92590	.04180	.02200	-.00320	-.02200
3.001	3.145	20.33700	.01980	-.01020	.00000	55.00000	-4.94620	.02320	.01650	-.00380	-.01650
3.001	4.205	20.33300	.02640	-.00710	.01940	55.00000	-4.93600	.04180	.01100	-.00320	-.01100
3.001	6.304	20.31400	.01900	-.00450	.00000	55.00000	-4.93600	.03250	.00550	-.00350	-.00550
	GRADIENT	.01303	-.00049	-.00003	-.00099	.00000	-.00125	-.00026	-.00072	-.00028	.00022

AMES 118-1-87 OA145C 01 (C2H055) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 51/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-22.746	15.15500	2.13900	.02900	-.00550	.00000	55.00000	.03730	.02070	.00130	-.01230
3.001	-17.927	15.15500	2.13250	.03850	-.00600	.01940	55.00000	.04670	.03030	.00170	-.01370
3.001	-14.936	15.15400	2.13260	.02160	-.00290	.00000	55.00000	.02800	.01520	.00100	-.00680
3.001	-9.494	15.15300	2.13320	.03850	-.00600	.01940	55.00000	.04670	.03030	.00170	-.01370
3.001	-4.946	15.15200	2.13370	.02900	-.00550	.01940	55.00000	.03730	.02070	.00130	-.01230
3.001	-2.437	15.15200	2.13380	.02380	-.00520	.00970	55.00000	.03250	.01520	-.00350	-.00680
3.001	.044	15.15200	2.13430	.04800	-.00650	.03880	55.00000	.05600	.04000	.00200	-.01500
3.001	2.534	15.15200	2.13420	.03130	-.00770	.01940	55.00000	.04180	.02070	-.00320	-.01230
3.001	5.008	15.15200	2.13560	.02690	-.00760	.00970	55.00000	.03730	.01650	.00130	-.01650
3.001	10.010	15.15300	2.13560	.04080	-.00820	.02910	55.00000	.05120	.03030	-.00280	-.01370
3.001	14.996	15.15400	2.13590	.01430	-.00470	.00000	55.00000	.02320	.00550	-.00380	-.00550
3.001	22.834	15.15600	2.13630	.02180	-.00720	.00970	55.00000	.03250	.01100	-.00350	-.01100
	GRADIENT	.00000	.00008	.00125	-.00032	.00116	-.00000	.00148	.00099	-.00032	-.00033

AMES 118-1-87 OA145C 01 (C2H056) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 60/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	.271	.07240	.01330	-.00020	-11.78300	55.00000	.00000	.01830	.00830	-.00870	.00830
3.001	2.455	-.01490	.02270	-.00530	-11.76100	55.00000	.01780	.02730	.01800	-.01770	.00700
3.001	4.995	-.04590	.02780	-.00570	-11.75000	55.00000	.01780	.03220	.02350	-.01280	.00150
3.001	7.531	-.05210	.02910	.00210	-11.75000	55.00000	.02670	.04150	.01670	-.01250	.01670
3.001	10.064	-.02890	.01590	-.00760	-11.77200	55.00000	.00890	.01800	.01380	-.01800	.00280
3.001	12.144	-.02080	.03060	-.00840	-11.75000	55.00000	.01780	.03220	.02900	-.01280	-.00400
3.001	14.166	-.03260	.01830	-.00520	-11.77200	55.00000	.00890	.02280	.01380	-.01320	.00280
3.001	15.148	-.02500	.01830	-.00520	-11.77200	55.00000	.00890	.02280	.01380	-.01320	.00280
3.001	16.212	-.02770	.03060	-.00840	-11.75000	55.00000	.01780	.03220	.02900	-.01280	-.00400
3.001	18.194	-.03630	.01830	-.00520	-11.76100	55.00000	.00890	.02280	.01380	-.01320	.00280
3.001	20.268	-.04630	.01560	-.00240	-11.77200	55.00000	.00890	.02280	.00830	-.01320	.00830
3.001	22.758	-.04830	.00880	-.00470	-11.77200	55.00000	.00890	.01350	.00420	-.01350	.00420
3.001	25.441	-.06380	.02780	-.00570	-11.76100	55.00000	.01780	.03220	.02350	-.01280	.00150
	GRADIENT	-.02469	.00304	-.00114	.00691	.00000	.00367	.00291	.00319	-.00079	-.00146

RUN NO. 187/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.498	4.805	-.06270	.03580	-.00880	-11.75000	55.00000	.00890	.03700	.03450	-.00800	-.00950
3.498	7.293	-.06050	.04250	-.00650	-11.75000	55.00000	.01780	.04630	.03870	-.00770	-.00530
3.498	9.776	-.05110	.01400	-.00500	-11.78300	55.00000	.00000	.01830	.00970	-.00870	-.00130
3.498	11.808	-.05420	.03820	-.00630	-11.76100	55.00000	.00890	.04180	.03450	-.00320	-.00950
3.498	13.853	-.05190	.02350	-.00550	-11.77200	55.00000	.00890	.02770	.01930	-.00830	-.00270
3.498	14.884	-.06900	.05200	-.00700	-11.73900	55.00000	.02670	.05570	.04830	-.00730	-.00670
3.498	15.871	-.07960	.00230	-.00230	-11.79300	55.00000	.00000	.00450	.00000	-.00450	.00000
3.498	17.877	-.07510	.01640	-.00260	-11.78300	55.00000	.00000	.02320	.00970	-.00380	-.00130
3.498	19.917	-.06430	.01920	-.00530	-11.78300	55.00000	.00000	.02320	.01520	-.00380	-.00680
3.498	22.448	-.04460	.03300	-.00600	-11.76100	55.00000	.00890	.03700	.02900	-.00800	-.00400
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00008	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (C2H057) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 59/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	.282	.07110	.02720	-.00080	16.35900	55.00000	.01780	.03220	.02220	-.01280	.01120
3.001	2.472	-.00630	.02990	-.00360	16.35900	55.00000	.01780	.03220	.02770	-.01280	.00570
3.001	4.987	-.05000	.02720	-.00080	16.35900	55.00000	.01780	.03220	.02220	-.01280	.01120
3.001	7.528	-.05110	.00660	-.00240	16.33900	55.00000	.00000	.00900	.00420	-.00900	.00420
3.001	10.053	-.02540	.03230	-.00120	16.36900	55.00000	.02670	.03700	.02770	-.00800	.00570
3.001	12.120	-.02000	.01330	-.00020	16.34900	55.00000	.00890	.01830	.00830	-.00870	.00830
3.001	14.144	-.03220	.01090	-.00260	16.33900	55.00000	.00890	.01350	.00830	-.01350	.00830
3.001	15.174	-.02290	.01090	-.00260	16.33900	55.00000	.00890	.01350	.00830	-.01350	.00830
3.001	16.155	-.01970	.01770	-.00030	16.35900	55.00000	.00890	.02280	.01250	-.01320	.01250
3.001	18.176	-.03680	.00880	-.00470	16.33900	55.00000	.00000	.01350	.00420	-.01350	.00420
3.001	20.223	-.04660	.03940	-.00410	16.36900	55.00000	.01780	.04150	.03730	-.01250	.00430
3.001	22.751	-.05180	.01090	-.00260	16.34900	55.00000	.00890	.01350	.00830	-.01350	.00830
3.001	25.430	-.06520	.01090	-.00260	16.33900	55.00000	.00890	.01350	.00830	-.01350	.00830
	GRADIENT	-.02553	-.00003	.00003	.00000	-.00000	-.00000	.00000	-.00005	.00000	.00005

RUN NO. 188/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.498	4.810	-.06190	.03510	-.00390	16.34900	55.00000	.01780	.03700	.03320	-.00800	.00020
3.498	7.316	-.06460	.03080	-.00380	16.34900	55.00000	.00890	.03250	.02900	-.00350	-.00400
3.498	9.772	-.05150	.03510	-.00390	16.34900	55.00000	.01780	.03700	.03320	-.00800	.00020
3.498	11.796	-.05430	.02130	-.00330	16.33900	55.00000	.00890	.02320	.01930	-.00380	-.00270
3.498	13.800	-.05330	.04250	-.00650	16.35900	55.00000	.01780	.04630	.03870	-.00770	-.00530
3.498	14.862	-.06770	.03080	-.00380	16.34900	55.00000	.01780	.03250	.02900	-.00350	-.00400
3.498	15.865	-.07960	.05200	-.00700	16.36900	55.00000	.02670	.05570	.04830	-.00730	-.00670
3.498	17.864	-.07530	.02590	-.00310	16.34900	55.00000	.00890	.03250	.01930	-.00350	-.00270
3.498	19.904	-.06500	.03300	-.00600	16.34900	55.00000	.01780	.03700	.02900	-.00800	-.00400
3.498	22.442	-.03760	.03300	-.00600	16.34900	55.00000	.01780	.03700	.02900	-.00800	-.00400
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (C2H058) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = 22.500
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 58/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	.273	.07580	.03730	-.00620	22.62300	55.00000	.01780	.04150	.03320	-.01250	.00020
3.001	2.003	-.00780	.02720	-.00080	22.62300	55.00000	.01780	.03220	.02220	-.01280	.01120
3.001	4.974	-.04160	.03220	-.00580	22.62300	55.00000	.01780	.03670	.02770	-.01730	.00570
3.001	7.558	-.04640	.02040	-.00310	22.61300	55.00000	.00890	.02280	.01800	-.01320	.00700
3.001	10.110	-.02730	.01770	-.00030	22.60400	55.00000	.00890	.02280	.01250	-.01320	.01250
3.001	12.166	-.01790	.02560	-.00340	22.61300	55.00000	.01780	.02770	.02350	-.00830	.00150
3.001	14.180	-.03230	.02960	.00160	22.61300	55.00000	.01780	.03700	.02220	-.00800	.01120
3.001	15.157	-.02380	.01090	-.00260	22.58500	55.00000	.00000	.01350	.00830	-.01350	.00830
3.001	16.165	-.02030	.02440	.00190	22.61300	55.00000	.01780	.03220	.01670	-.01280	.01670
3.001	18.220	-.03870	.01770	-.00030	22.61300	55.00000	.00890	.02280	.01250	-.01320	.01250
3.001	20.274	-.05270	.03270	-.00630	22.62300	55.00000	.01780	.03220	.03320	-.01280	.00020
3.001	22.750	-.05200	.02680	.00430	22.61300	55.00000	.01780	.03700	.01670	-.00800	.01670
3.001	25.435	-.06610	.01770	-.00030	22.60400	55.00000	.00890	.02280	.01250	-.01320	.01250
	GRADIENT	-.02350	-.00078	-.00011	.00000	.00000	-.00000	-.00075	-.00084	-.00107	.00084

AMES 118-1-87 OA145C 01 (C2H059) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 56/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-11.761	10.13500	-.02010	.03060	-.00290	55.00000	.01780	.04180	.01930	-.00320	-.00270
3.001	-8.000	10.13500	-.02000	.03060	-.00290	55.00000	.01780	.04180	.01930	-.00320	-.00270
3.001	-5.979	10.13500	-.01990	.01680	-.00220	55.00000	.00890	.02800	.00550	.00100	-.00550
3.001	-3.921	10.13500	-.01990	.01900	-.00450	55.00000	.00890	.03250	.00550	-.00350	-.00550
3.001	-2.011	10.13500	-.01980	.01160	-.00740	55.00000	.00890	.02320	.00010	-.00380	-.01090
3.001	.029	10.13500	-.01980	.01360	-.01540	55.00000	.01780	.03250	-.00520	-.00350	-.02720
3.001	1.940	10.13500	-.01980	-.01940	-.02390	55.00000	.00000	.00450	-.04330	-.00450	-.04330
3.001	4.007	10.13500	-.01970	.02380	-.00520	55.00000	.00890	.03250	.01520	-.00350	-.00680
3.001	6.010	10.13500	-.01960	.03800	-.01100	55.00000	.02670	.04150	.03450	-.01250	-.00950
3.001	8.010	10.13500	-.01950	.03610	-.01390	55.00000	.01780	.03220	.04000	-.01280	-.01500
3.001	12.070	10.13500	-.01940	.00680	-.00680	55.00000	.00000	.01350	.00000	-.01350	.00000
3.001	16.339	10.13400	-.01910	.02660	-.01340	55.00000	.01780	.02280	.03030	-.01320	-.01370
3.001	22.594	10.13400	-.01890	.02780	-.00570	55.00000	.01780	.03220	.02350	-.01280	.00150
	GRADIENT	.00000	.00002	-.00102	-.00088	.00000	-.00043	-.00090	-.00114	-.00003	-.00173

AMES 11B-1-87 OA145C 01 (C2H080) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 35/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-11.761	15.14000	.06210	.01930	-.00620	55.00000	.01780	.01380	.02480	-.00420	-.00820
3.000	-8.000	15.14000	.06220	.03330	-.00220	55.00000	.02670	.02800	.03870	.00100	-.00530
3.000	-5.938	15.14000	.06230	.03830	-.00720	55.00000	.03560	.03250	.04420	-.00350	-.01080
3.000	-3.903	15.14000	.06220	.01430	-.00120	55.00000	.01780	.00930	.01930	.00030	-.00270
3.000	-2.022	15.14000	.06220	.00480	-.00070	55.00000	.00890	.00000	.00970	.00000	-.00130
3.000	.019	15.13900	.06230	.03830	-.00720	55.00000	.03560	.03250	.04420	-.00350	-.01080
3.000	1.969	15.13900	.06230	.02180	-.00380	55.00000	.02670	.01870	.02480	.00070	-.00820
3.000	3.986	15.13900	.06220	.00480	-.00070	55.00000	.00890	.00000	.00970	.00000	-.00130
3.000	6.020	15.13900	.06230	.03330	-.00220	55.00000	.03560	.02800	.03870	.00100	-.00530
3.000	7.990	15.13900	.06230	.00760	-.00340	55.00000	.01780	.00000	.01520	.00000	-.00680
3.000	12.100	15.13800	.06250	.03330	-.00220	55.00000	.03560	.02800	.03870	.00100	-.00530
3.000	16.339	15.13800	.06250	.02880	-.00670	55.00000	.02670	.02320	.03450	-.00380	-.00950
3.000	22.604	15.13700	.06270	.02380	-.00170	55.00000	.02670	.01870	.02900	.00070	-.00400
	GRADIENT	-.00015	.00001	-.00009	-.00011	.00000	.00001	.00001	-.00020	.00000	-.00021

RUN NO. 177/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.496	-11.772	14.80200	-.06280	.03270	-.00080	55.00000	.02670	.04180	.02350	-.00320	.00150
3.496	-8.041	14.80200	-.06280	.03270	-.00080	55.00000	.02670	.04180	.02350	-.00320	.00150
3.496	-6.040	14.80200	-.06280	.03490	-.00310	55.00000	.02670	.04630	.02350	-.00770	.00150
3.496	-3.912	14.80200	-.06290	.03030	-.00330	55.00000	.02670	.03700	.02350	-.00800	.00150
3.496	-1.990	14.80200	-.06280	.03270	-.00080	55.00000	.02670	.04180	.02350	-.00320	.00150
3.496	.019	14.80200	-.06280	.02540	-.00260	55.00000	.01780	.03700	.01380	-.00800	.00280
3.496	1.969	14.80200	-.06290	.04220	-.00130	55.00000	.02670	.05120	.03320	-.00280	.00020
3.496	4.040	14.80200	-.06290	.03940	.00140	55.00000	.02670	.05120	.02770	-.00280	.00570
3.496	6.010	14.80200	-.06280	.02990	.00190	55.00000	.01780	.04180	.01800	-.00320	.00700
3.496	8.020	14.80200	-.06290	.03490	-.00310	55.00000	.02670	.04630	.02350	-.00770	.00150
3.496	12.100	14.80200	-.06290	.03730	-.00070	55.00000	.02670	.05120	.02350	-.00280	.00150
3.496	16.339	14.80200	-.06290	.03490	-.00310	55.00000	.02670	.04630	.02350	-.00770	.00150
3.496	22.594	14.80200	-.06300	.02320	-.00030	55.00000	.01780	.03250	.01380	-.00350	.00280
	GRADIENT	.00000	-.00001	.00139	.00045	.00000	.00000	.00190	.00091	.00054	.00036

AMES 118-1-87 OA145C 01 (C2H06I) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 57/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	-11.761	20.29300	-.05030	.02920	-.01530	55.00000	.01780	.03220	.02620	-.01280	-.01780
3.001	-8.020	20.30000	-.04810	.00950	-.00950	55.00000	.00000	.01350	.00550	-.01350	-.00550
3.001	-5.969	20.29900	-.04810	.03190	-.01810	55.00000	.00890	.03220	.03170	-.01280	-.02330
3.001	-3.921	20.30000	-.04860	.00950	-.00950	55.00000	.00000	.01350	.00550	-.01350	-.00550
3.001	-2.011	20.30000	-.04860	.02110	-.00790	55.00000	.00890	.02280	.01930	-.01320	-.00270
3.001	.019	20.30000	-.04860	.03610	-.01390	55.00000	.00890	.03220	.04000	-.01280	-.01500
3.001	1.960	20.30000	-.04870	.02730	-.01830	55.00000	.00890	.02280	.03170	-.01320	-.02330
3.001	4.029	20.30000	-.04870	.03680	-.01870	55.00000	.00890	.03220	.04130	-.01280	-.02470
3.001	6.000	20.30000	-.04830	.03510	-.00390	55.00000	.01780	.03700	.03320	-.00800	.00020
3.001	8.020	20.30000	-.04830	.03510	-.00390	55.00000	.01780	.03700	.03320	-.00800	.00020
3.001	12.100	20.29900	-.04830	.04060	-.00940	55.00000	.01780	.03700	.04420	-.00800	-.01080
3.001	16.328	20.29800	-.04840	.01130	-.00220	55.00000	.00890	.01830	.00420	-.00870	.00420
3.001	22.585	20.29700	-.04850	.02180	-.01280	55.00000	.00890	.02280	.02070	-.01320	-.01230
	GRADIENT	.00000	-.00002	.00306	-.00145	.00000	.00089	.00188	.00422	.00007	-.00297

AMES 118-1-87 OA145C 01 (C2H062) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -35.000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 73/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	.267	.07190	-34.96200	.00900	-11.75000	55.00000	.00000	-34.95500	-34.96800	.01490	.00320
3.001	1.942	-.01730	-34.99600	.00510	-11.78300	55.00000	-.02050	-34.99600	-34.99600	.00270	.00750
3.001	3.971	-.03830	-34.97200	.00880	-11.75000	55.00000	.00000	-34.97100	-34.97300	.00910	.00850
3.001	5.963	-.05230	-34.96400	.01170	-11.75000	55.00000	.00000	-34.95500	-34.97300	.01490	.00850
3.001	7.982	-.04400	-34.96400	.01170	-11.75000	55.00000	.00000	-34.95500	-34.97300	.01490	.00850
3.001	10.031	-.02820	-34.98300	.00820	-11.76100	55.00000	.00000	-34.98000	-34.98500	.00850	.00800
3.001	12.108	-.02090	-34.95600	.01460	-11.73900	55.00000	.00000	-34.95000	-34.96200	.02020	.00900
3.001	14.127	-.03130	-34.97500	.00590	-11.75000	55.00000	.00000	-34.97100	-34.97900	.00910	.00270
3.001	15.164	-.02360	-34.95400	.01230	-11.72800	55.00000	.00890	-34.94500	-34.96200	.01550	.00900
3.001	16.145	-.01790	-34.93800	.01280	-11.71800	55.00000	.00890	-34.93000	-34.94600	.02130	.00420
3.001	18.182	-.03440	-34.97500	.00590	-11.76100	55.00000	.00000	-34.97100	-34.97900	.00910	.00270
3.001	20.216	-.04550	-34.98000	.00530	-11.76100	55.00000	.00000	-34.97500	-34.98500	.01370	-.00320
3.001	22.216	-.05280	-34.98300	.00790	-11.76100	55.00000	.00000	-34.97500	-34.99000	.01370	.00220
3.001	26.366	-.06530	-34.97500	.00560	-11.75000	55.00000	.00000	-34.96500	-34.98500	.01430	-.00320
3.001	29.826	-.02450	-34.98800	.00240	-11.77200	55.00000	-.01030	-34.98000	-34.99600	.00850	-.00370
	GRADIENT	-.02908	-.00219	.00001	.00057	.00000	.00035	-.00374	-.00091	-.00140	.00140

AMES 118-1-87 OA145C 01 (C2H063) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	20.000
AILRON =	.000	BDFLAP =	22.500
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 74/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.001	.272	.06670	20.01400	-.02410	22.58500	55.00000	.00000	20.01100	20.01700	-.04090	-.00730
3.001	1.915	-.01440	20.02100	-.02180	22.59400	55.00000	.00890	20.01600	20.02700	-.03590	-.00770
3.001	3.968	-.03700	20.01900	-.02430	22.59400	55.00000	.00890	20.01100	20.02700	-.04090	-.00770
3.001	5.987	-.04360	20.02600	-.02160	22.59400	55.00000	.00890	20.02000	20.03200	-.04050	-.00280
3.001	8.013	-.03830	20.02400	-.02410	22.60400	55.00000	.00890	20.01500	20.03200	-.04550	-.00280
3.001	10.052	-.02400	20.01200	-.02180	22.57500	55.00000	.00000	20.00600	20.01700	-.03630	-.00730
3.001	12.147	-.01650	20.00900	-.02430	22.58500	55.00000	.00000	20.00100	20.01700	-.04130	-.00730
3.001	14.152	-.02920	20.01900	-.02430	22.59400	55.00000	.00890	20.01100	20.02700	-.04090	-.00770
3.001	15.174	-.02190	20.01600	-.02160	22.58500	55.00000	.00000	20.01100	20.02200	-.04090	-.00240
3.001	16.158	-.01720	20.02400	-.01930	22.59400	55.00000	.00890	20.01600	20.03200	-.03590	-.00280
3.001	18.186	-.03510	20.01400	-.02410	22.58500	55.00000	.00000	20.01100	20.01700	-.04090	-.00730
3.001	20.234	-.04790	20.00600	-.02160	22.58500	55.00000	.00000	20.00100	20.01100	-.04130	-.00200
3.001	22.222	-.05660	20.01600	-.02160	22.58500	55.00000	.00890	20.01100	20.02200	-.04090	-.00240
3.001	26.308	-.06370	20.00900	-.02390	22.58500	55.00000	.00000	20.00600	20.01100	-.04590	-.00200
3.001	29.813	-.03090	20.02600	-.02160	22.60400	55.00000	.01780	20.02000	20.03200	-.04050	-.00280
	GRADIENT	-.02736	.00126	-.00010	.00234	-.00000	.00231	-.00010	.00260	-.00010	-.00010

AMES 118-1-87 OA145C 01 (C2H064) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 100/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.186	.04360	.02190	.00090	.01940	25.00000	.00890	.01900	.02480	.01000	-.00820
3.000	2.533	.03210	.03140	.00040	.01940	25.00000	.00890	.02830	.03450	.01030	-.00950
3.000	4.984	.07890	.04830	-.00270	.03880	25.00000	.01780	.04700	.04970	.01100	-.01630
3.000	7.567	.07020	.03660	.00010	.02910	25.00000	.01780	.03320	.04000	.01520	-.01500
3.000	10.029	.07560	.03920	-.00180	.02910	25.00000	.01780	.04250	.03580	.01550	-.01920
3.000	12.118	.07550	.02710	.00060	.01940	25.00000	.00890	.02380	.03030	.01480	-.01370
3.000	14.172	.07770	.02690	.00140	.01940	25.00000	.00890	.03320	.02070	.01520	-.01230
3.000	15.190	.06310	.04690	-.00960	.03880	25.00000	.01780	.04700	.04680	.01100	-.03020
3.000	16.163	.05470	.02420	.00420	.01940	25.00000	.00890	.03320	.01520	.01520	-.00680
3.000	18.186	.05800	.04590	.00040	.03880	25.00000	.02670	.05180	.04000	.01580	-.01500
3.000	20.237	.07120	.01470	.00470	.00000	25.00000	.00890	.02380	.00550	.01480	-.00550
3.000	22.737	.09310	.02180	.00180	.01940	25.00000	.00890	.02830	.01520	.01030	-.00680
3.000	25.427	.08660	.04080	.00080	.02910	25.00000	.01780	.04700	.03450	.01100	-.00950
	GRADIENT	.00744	.00551	-.00075	.00407	-.00000	.00187	.00585	.00520	.00021	-.00170

AMES 118-1-87 OA145C 01 (C2H065) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 106/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.291	10.14500	.04270	.00720	.02910	25.00000	.01780	.04250	.04280	.01550	-.00120
3.000	-4.198	10.10600	.01850	.00850	.00970	25.00000	.00000	.01900	.01800	.01000	.00700
3.000	-2.072	10.09100	.04230	.00680	.02910	25.00000	.00890	.03770	.04700	.01070	.00300
3.000	-1.003	10.06800	.04700	.00700	.03880	25.00000	.01780	.04700	.04700	.01100	.00300
3.000	.071	10.11600	.01850	.00850	.00970	25.00000	.00000	.01900	.01800	.01000	.00700
3.000	1.157	10.15900	.03090	.00090	.02910	25.00000	.00890	.03280	.02900	.00580	-.00400
3.000	2.179	10.18700	.03540	.00540	.02910	25.00000	.00890	.03770	.03320	.01070	.00020
3.000	3.217	10.21300	.02870	.00320	.01940	25.00000	.00890	.02830	.02900	.01030	-.00400
3.000	4.254	10.22300	.02160	.00610	.00970	25.00000	.00000	.02380	.01930	.01480	-.00270
3.000	6.392	10.21800	.02420	-.00130	.00970	25.00000	.00000	.02350	.02480	.00550	-.00820
	GRADIENT	.01805	-.00042	-.00050	-.00031	.00000	-.00004	-.00003	-.00082	.00025	-.00127

AMES 118-1-87 OA145C 01 (C2H066) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 104/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.323	15.32200	.02660	.00110	.02910	25.00000	.00000	.02830	.02480	.01030	-.00820
3.000	-4.243	15.29400	.03090	.00090	.02910	25.00000	.01780	.03280	.02900	.00580	-.00400
3.000	-2.123	15.28800	.01920	.00370	.00970	25.00000	.00890	.01900	.01930	.01000	-.00270
3.000	-1.065	15.28700	.02140	.00140	.00970	25.00000	.00890	.02350	.01930	.00550	-.00270
3.000	-.009	15.21800	.02380	.00380	.00970	25.00000	.00890	.02830	.01930	.01030	-.00270
3.000	1.099	15.20400	.02160	.00610	.00970	25.00000	.00890	.02380	.01930	.01480	-.00270
3.000	2.144	15.21100	.02870	.00320	.01940	25.00000	.00890	.02830	.02900	.01030	-.00400
3.000	3.199	15.22100	.03110	.00560	.01940	25.00000	.00890	.03320	.02900	.01520	-.00400
3.000	4.252	15.23000	.02870	.00320	.01940	25.00000	.00890	.02830	.02900	.01030	-.00400
3.000	6.371	15.23800	.02660	.00110	.00970	25.00000	.00890	.02830	.02480	.01030	-.00820
	GRADIENT	-.01062	.00050	.00036	-.00016	-.00000	-.00073	.00036	.00064	.00081	-.00009

AMES 118-1-87 OA145C 01 (C2H067) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 103/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.257	20.28500	.04080	.00080	.02910	25.00000	.04450	.04700	.03450	.01100	-.00950
3.000	-4.173	20.24700	.02660	.00110	.01940	25.00000	.04450	.02830	.02480	.01030	-.00820
3.000	-2.060	20.25500	.03400	-.00150	.02910	25.00000	.04450	.03770	.03030	.01070	-.01370
3.000	-.995	20.26100	.03610	.00060	.03880	25.00000	.01780	.03770	.03450	.01070	-.00950
3.000	.064	20.29500	.02180	.00180	.00000	25.00000	.00000	.02830	.01520	.01030	-.00680
3.000	1.161	20.28800	.01430	.00430	.00000	25.00000	.00000	.01900	.00970	.01000	-.00130
3.000	2.171	20.25200	.03130	.00130	.01940	25.00000	.00890	.03770	.02480	.01070	-.00820
3.000	3.217	20.22100	.03610	.00060	.03880	25.00000	.00890	.03770	.03450	.01070	-.00950
3.000	4.256	20.21900	.01430	.00430	.00970	25.00000	.00000	.01900	.00970	.01000	-.00130
3.000	6.339	20.19400	.02380	.00380	.02910	25.00000	.00000	.02830	.01930	.01030	-.00270
	GRADIENT	-.00360	-.00093	.00037	-.00076	-.00000	-.00547	-.00067	-.00118	-.00002	.00077

AMES 118-1-87 OA145C 01 (C2H068) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 101/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.309	2.19010	.02870	.00320	.02910	25.00000	.00890	.02830	.02900	.01030	-.00400
3.000	2.557	2.14210	.01920	.00370	.00970	25.00000	.00000	.01900	.01930	.01000	-.00270
3.000	5.014	2.19260	.02590	.00590	.01940	25.00000	.00890	.02830	.02350	.01030	.00150
3.000	7.878	2.20600	.03330	.00330	.03880	25.00000	.00890	.03770	.02900	.01070	-.00400
3.000	10.118	2.19590	.04040	.00040	.04850	25.00000	.01780	.04220	.03870	.00620	-.00530
3.000	12.208	2.15710	.02180	.00180	.01940	25.00000	.00890	.02830	.01520	.01030	-.00680
3.000	14.202	2.13650	.02980	-.00570	.02910	25.00000	.00890	.03770	.02200	.01070	-.02200
3.000	15.251	2.18350	.02870	.00320	.01940	25.00000	.00000	.02830	.02900	.01030	-.00400
3.000	16.229	2.13770	.02160	.00610	.02910	25.00000	.00000	.02380	.01930	.01480	-.00270
3.000	18.206	2.10600	.01950	.00400	.01940	25.00000	.00000	.02380	.01520	.01480	-.00680
3.000	20.342	2.10980	.01640	.00640	.00970	25.00000	.00000	.01900	.01380	.01000	.00280
3.000	22.857	2.07120	.02320	.00870	.01940	25.00000	.00000	.02830	.01800	.01030	.00700
3.000	25.470	2.08460	.03610	.00060	.02910	25.00000	.00890	.03770	.03450	.01070	-.00950
	GRADIENT	-.02135	-.00423	.00022	-.00863	.00000	-.00396	-.00414	-.00432	-.00013	.00058

AMES 118-1-87 OA145C 01 (C2H069) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 107/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-9.494	10.11700	.08670	.02380	.00380	.00970	25.00000	.02830	.01930	.01030	-.00270
3.000	-4.926	10.11600	.08740	.03330	.00330	.02910	25.00000	.03770	.02900	.01070	-.00400
3.000	-2.427	10.11600	.08810	.04280	.00280	.03880	25.00000	.04700	.03870	.01100	-.00530
3.000	.018	10.11600	.08890	.01430	.00430	.00970	25.00000	.01900	.00970	.01000	-.00130
3.000	2.534	10.11600	.08930	.03130	.00130	.02910	25.00000	.03770	.02480	.01070	-.00820
3.000	4.998	10.11600	.08980	.02450	-.00100	.02910	25.00000	.02830	.02070	.01030	-.01230
3.000	10.021	10.11600	.09090	.02690	.00140	.02910	25.00000	.03320	.02070	.01520	-.01230
	GRADIENT	-.00000	.00024	-.00116	-.00041	-.00038	.00000	-.00112	-.00122	-.00004	-.00079

AMES 118-1-87 OA145C 01 (C2H070) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 108/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-22.735	15.17500	.06050	.04060	.00510	.01940	25.00000	.04250	.03870	.01550	-.00530
3.000	-17.947	15.17400	.06130	.03540	.00540	.02910	25.00000	.03770	.03320	.01070	.00020
3.000	-14.936	15.17400	.06190	.02590	.00590	.00970	25.00000	.02830	.02350	.01030	.00150
3.000	-9.494	15.17300	.06280	.02590	.00590	.00970	25.00000	.02830	.02350	.01030	.00150
3.000	-4.936	15.17300	.06360	.03820	.00270	.02910	25.00000	.03770	.03870	.01070	-.00530
3.000	.009	15.17300	.06450	.02380	.00380	.00970	25.00000	.02830	.01930	.01030	-.00270
3.000	2.504	15.17300	.06500	.03300	.00300	.01940	25.00000	.03280	.03320	.00580	.00020
3.000	5.008	15.17300	.06520	.03540	.00540	.01940	25.00000	.03770	.03320	.01070	.00020
3.000	10.010	15.17400	.06600	.02590	.00590	.00970	25.00000	.02830	.02350	.01030	.00150
3.000	15.017	15.17400	.06680	.01920	.00370	.00000	25.00000	.01900	.01930	.01000	-.00270
3.000	22.811	15.17600	.06800	.02370	.00820	.00970	25.00000	.02380	.02350	.01480	.00150
	GRADIENT	-.00000	.00019	-.00101	.00007	-.00167	-.00000	-.00083	-.00119	-.00058	.00071

AMES 118-1-87 OA145C 01 (C2H071) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 109/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-9.485	20.24700	.06950	.02380	.00380	.00000	25.00000	.02830	.01930	.01030	-.00270
3.000	-4.926	20.25000	.06900	.02380	.00380	.00970	25.00000	.02830	.01930	.01030	-.00270
3.000	-2.427	20.25100	.06890	.02870	.00320	.01940	25.00000	.02830	.02900	.01030	-.00400
3.000	.027	20.25100	.06920	.03330	.00330	.01940	25.00000	.03770	.02900	.01070	-.00400
3.000	2.504	20.25100	.06950	.02870	.00320	.01940	25.00000	.02830	.02900	.01030	-.00400
3.000	5.018	20.25100	.06950	.04560	.00010	.03880	25.00000	.04700	.04420	.01100	-.01080
3.000	10.021	20.25100	.07000	.03330	.00330	.01940	25.00000	.03770	.02900	.01070	-.00400
	GRADIENT	.00012	.00007	.00078	-.00007	.00118	-.00000	.00038	.00118	.00002	-.00016

AMES 118-1-87 OA145C 01 (C2H072) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 110/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-9.494	15.21400	2.13900	.02380	.00380	.01940	25.00000	.02830	.01930	.01030	-.00270
3.000	-4.916	15.21400	2.13920	.03090	.00090	.02910	25.00000	.03280	.02900	.00580	-.00400
3.000	-2.437	15.21300	2.14240	.03110	.00560	.01940	25.00000	.03320	.02900	.01520	-.00400
3.000	.027	15.21400	2.13960	.02870	.00320	.01940	25.00000	.02830	.02900	.01030	-.00400
3.000	2.524	15.21300	2.14250	.04280	.00280	.03880	25.00000	.04700	.03870	.01100	-.00530
3.000	5.008	15.21300	2.14230	.03110	.00560	.02910	25.00000	.03320	.02900	.01520	-.00400
3.000	10.010	15.21400	2.14000	.02160	.00610	.00970	25.00000	.02380	.01930	.01480	-.00270
	GRADIENT	-.00008	.00029	.00135	.00013	.00118	.00000	.00153	.00118	.00043	-.00016

AMES 118-1-87 OA145C 01 (C2H073) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 105/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.314	15.23100	.03330	.00330	.02910	25.00000	-4.96650	.03770	.02900	.01070	-.00400
3.000	-4.208	15.20700	.03330	.00330	.02910	25.00000	-4.97670	.03770	.02900	.01070	-.00400
3.000	-2.092	15.20300	.01710	.00160	.01940	25.00000	-4.98680	.01900	.01520	.01000	-.00680
3.000	-1.054	15.20300	.03820	.00270	.03880	25.00000	-4.97670	.03770	.03870	.01070	-.00530
3.000	.014	15.21800	.03110	.00560	.02910	25.00000	-4.94620	.03320	.02900	.01520	-.00400
3.000	1.095	15.20700	.03610	.00060	.02910	25.00000	-4.94620	.03770	.03450	.01070	-.00950
3.000	2.148	15.21400	.02380	.00380	.00970	25.00000	-4.95640	.02830	.01930	.01030	-.00270
3.000	3.199	15.22400	.04060	.00510	.02910	25.00000	-4.93600	.04250	.03870	.01550	-.00530
3.000	4.263	15.23500	.02380	.00380	.00970	25.00000	-4.95640	.02830	.01930	.01030	-.00270
3.000	6.374	15.24400	.03090	.00090	.01940	25.00000	-4.94620	.03280	.02900	.00580	-.00400
	GRADIENT	.00319	.00006	.00018	-.00175	-.00000	.00464	.00017	-.00005	.00020	.00016

AMES 118-1-87 OA145C 01 (C2H074) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 102/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.182	.03690	.03300	.00300	.02910	25.00000	-4.94620	.03280	.03320	.00580	.00020
3.000	2.532	.01770	.02560	.00560	.01940	25.00000	-4.95640	.02350	.02770	.00550	.00570
3.000	5.033	.06840	.03750	.00750	.02910	25.00000	-4.94620	.03770	.03730	.01070	.00430
3.000	8.940	.08300	.01850	.00850	.01940	25.00000	-4.95640	.01900	.01800	.01000	.00700
3.000	10.131	.07580	.03300	.00300	.01940	25.00000	-4.94620	.03280	.03320	.00580	.00020
3.000	12.128	.07600	.02450	-.00100	.00970	25.00000	-4.94620	.02830	.02070	.01030	-.01230
3.000	14.150	.07670	.03330	.00330	.01940	25.00000	-4.94620	.03770	.02900	.01070	-.00400
3.000	15.209	.06110	.03090	.00090	.01940	25.00000	-4.94620	.03280	.02900	.00580	-.00400
3.000	16.169	.05200	.03540	.00540	.01940	25.00000	-4.94620	.03770	.03320	.01070	.00020
3.000	18.190	.05570	.02380	.00380	.00970	25.00000	-4.95640	.02830	.01930	.01030	-.00270
3.000	20.258	.07000	.04080	.00080	.02910	25.00000	-4.94620	.04700	.03450	.01100	-.00950
3.000	22.740	.09420	.03160	-.00390	.01940	25.00000	-4.95640	.03280	.03030	.00580	-.01370
3.000	25.440	.08910	.03400	-.00150	.01940	25.00000	-4.94620	.03770	.03030	.01070	-.01370
	GRADIENT	-.00817	-.00315	.00111	-.00413	.00000	-.00434	-.00396	-.00234	-.00013	.00234

AMES 118-1-87 OA145C 01 (C2H075) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 111/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-11.761	15.27200	.06950	.03610	.00060	25.00000	.02670	.03770	.03450	.01070	-.00950
3.000	-7.990	15.26700	.06940	.04280	.00280	25.00000	.02670	.04700	.03870	.01100	-.00530
3.000	-5.969	15.27100	.06950	.03330	.00330	25.00000	.02670	.03770	.02900	.01070	-.00400
3.000	-3.884	15.27100	.06950	.05230	.00230	25.00000	.03560	.05630	.04830	.01130	-.00670
3.000	-2.001	15.27100	.06950	.02380	.00380	25.00000	.01780	.02830	.01930	.01030	-.00270
3.000	.019	15.27100	.06960	.01710	.00160	25.00000	.00890	.01900	.01520	.01000	-.00680
3.000	1.960	15.27100	.06960	.02380	.00380	25.00000	.01780	.02830	.01930	.01030	-.00270
3.000	4.040	15.27000	.06970	.04280	.00280	25.00000	.02670	.04700	.03870	.01100	-.00530
3.000	6.000	15.27000	.06970	.02140	.00140	25.00000	.01780	.02350	.01930	.00550	-.00270
3.000	8.000	15.27000	.06970	.03330	.00330	25.00000	.01780	.03770	.02900	.01070	-.00400
3.000	12.110	15.27000	.06980	.06180	.00180	25.00000	.04450	.06570	.05800	.01170	-.00800
3.000	16.359	15.26900	.06990	.04280	.00280	25.00000	.02670	.04700	.03870	.01100	-.00530
3.000	22.594	15.26800	.06990	.02380	.00380	25.00000	.01780	.02830	.01930	.01030	-.00270
	GRADIENT	-.00010	.00003	-.00090	.00005	.00000	-.00086	-.00088	-.00091	-.00003	.00013

AMES 118-1-87 OA145C 01 (C2H078) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 2.500

RUN NO. 139/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.300	.03690	.04530	-.00370	.03880	40.00000	.03560	.05600	.03450	.00200	-.00950
3.000	2.561	.01960	.04060	-.00390	.03880	40.00000	.02670	.04670	.03450	.00170	-.00950
3.000	5.032	.06340	.03580	-.00320	.02910	40.00000	.02670	.04670	.02480	.00170	-.00820
3.000	7.582	.06610	.02920	-.00980	.02910	40.00000	.02670	.04180	.01650	-.00320	-.01650
3.000	10.113	.07410	.03330	-.00570	.02910	40.00000	.02670	.04180	.02480	-.00320	-.00820
3.000	12.149	.07160	.03110	-.00340	.02910	40.00000	.02670	.03730	.02480	.00130	-.00820
3.000	14.126	.07870	.03780	-.00120	.02910	40.00000	.02670	.04670	.02900	.00170	-.00400
3.000	15.176	.06420	.03780	-.00120	.02910	40.00000	.02670	.04670	.02900	.00170	-.00400
3.000	16.155	.05400	.01880	-.00020	.00970	40.00000	.01780	.02800	.00970	.00100	-.00130
3.000	18.180	.05730	.01880	-.00020	.00000	40.00000	.00890	.02800	.00970	.00100	-.00130
3.000	20.237	.07120	.04730	-.00170	.03880	40.00000	.03560	.05600	.03870	.00200	-.00530
3.000	22.741	.09300	.01950	-.00500	.00000	40.00000	.01780	.02800	.01100	.00100	-.01100
3.000	25.409	.08620	.03560	.00110	.00970	40.00000	.02670	.04220	.02900	.00620	-.00400
	GRADIENT	-.00765	-.00208	-.00009	.00000	.00000	-.00394	-.00411	.00000	-.00013	.00000

AMES 118-1-87 OA145C 01 (C2H077) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 2.500

RUN NO. 141/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.312	15.27200	.04580	-.00420	.03880	40.00000	.03560	.05150	.04000	.00650	-.01500
3.000	-4.235	15.23900	.02900	-.00550	.01940	40.00000	.01780	.03730	.02070	.00130	-.01230
3.000	-2.103	15.22700	.02680	-.00320	.01940	40.00000	.01780	.03280	.02070	.00580	-.01230
3.000	-1.047	15.22800	.03850	-.00600	.02910	40.00000	.02670	.04670	.03030	.00170	-.01370
3.000	-.007	15.21700	.03380	-.00620	.02910	40.00000	.02670	.03730	.03030	.00130	-.01370
3.000	1.093	15.20500	.02660	-.00790	.01940	40.00000	.01780	.03250	.02070	-.00350	-.01230
3.000	2.140	15.21000	.02680	-.00320	.01940	40.00000	.01780	.03280	.02070	.00580	-.01230
3.000	3.245	15.21700	.04800	-.00650	.03880	40.00000	.03560	.05600	.04000	.00200	-.01500
3.000	4.265	15.23000	.04130	-.00870	.03880	40.00000	.02670	.04670	.03580	.00170	-.01920
3.000	6.397	15.23800	.03180	-.00820	.02910	40.00000	.02670	.03730	.02620	.00130	-.01780
	GRADIENT	-.00201	.00151	-.00031	.00196	.00000	.00120	.00134	.00167	-.00007	-.00056

AMES 118-1-87 OA145C 01 (C2H078) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 2.500

RUN NO. 140/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.323	2.20160	.03110	-.00340	.03880	40.00000	.02670	.03730	.02480	.00130	-.00820
3.000	2.560	2.15550	.02160	-.00290	.02910	40.00000	.01780	.02800	.01520	.00100	-.00680
3.000	5.041	2.18560	.04300	-.00150	.03880	40.00000	.02670	.05150	.03450	.00650	-.00950
3.000	7.627	2.20650	.03080	.00180	.03880	40.00000	.02670	.04220	.01930	.00620	-.00270
3.000	10.159	2.19030	.02930	-.00520	.03880	40.00000	.01780	.04220	.01650	.00620	-.01650
3.000	12.214	2.15010	.03560	.00110	.03880	40.00000	.02670	.04220	.02900	.00620	-.00400
3.000	14.234	2.14040	.03350	-.00100	.03880	40.00000	.02670	.04220	.02480	.00620	-.00820
3.000	15.255	2.17790	.03780	-.00120	.03880	40.00000	.02670	.04670	.02900	.00170	-.00400
3.000	16.233	2.13630	.05250	-.00200	.04850	40.00000	.03560	.06080	.04420	.00680	-.01080
3.000	18.213	2.10370	.04300	-.00150	.03880	40.00000	.02670	.05150	.03450	.00650	-.00950
3.000	20.320	2.10690	.02830	-.00070	.01940	40.00000	.01780	.03730	.01930	.00130	-.00270
3.000	22.860	2.07230	.03780	-.00120	.03880	40.00000	.02670	.04670	.02900	.00170	-.00400
3.000	25.485	2.08460	.02830	-.00070	.01940	40.00000	.01780	.03730	.01930	.00130	-.00270
	GRADIENT	-.02061	-.00425	.00022	-.00434	.00000	-.00398	-.00416	-.00429	-.00013	.00063

AMES 118-1-87 OA145C 01 (C2H079) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 40.000
RN/L = 2.500

RUN NO. 144/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-9.494	10.14200	.07760	.03460	.00560	.01940	40.00000	.03730	.03180	.00130	.00980
3.000	-4.936	10.14200	.07900	.02780	.00330	.00970	40.00000	.02800	.02770	.00100	.00570
3.000	-2.427	10.14200	.07970	.03730	.00280	.01940	40.00000	.03730	.03730	.00130	.00430
3.000	.018	10.14200	.08060	.05150	.00250	.03880	40.00000	.05600	.04700	.00200	.00300
3.000	2.544	10.14200	.08100	.05150	.00250	.03880	40.00000	.05600	.04700	.00200	.00300
3.000	5.018	10.14200	.08160	.04200	.00300	.02910	40.00000	.04670	.03730	.00170	.00430
3.000	10.010	10.14300	.08280	.03730	.00280	.02910	40.00000	.03730	.03730	.00130	.00430
	GRADIENT	-.00000	.00028	.00342	-.00011	.00428	-.00000	.00412	.00271	.00015	-.00038

AMES 118-1-87 OA145C 01 (C2H080) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 40.000
RN/L = 2.500

RUN NO. 143/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-22.746	15.25700	.06520	.02780	.00330	.00000	40.00000	.02800	.02770	.00100	.00570
3.000	-17.927	15.25700	.06600	.04680	.00230	.03880	40.00000	.04670	.04700	.00170	.00300
3.000	-14.925	15.25600	.06650	.03010	.00110	.00970	40.00000	.03250	.02770	-.00350	.00570
3.000	-9.476	15.25500	.06770	.03730	.00280	.01940	40.00000	.03730	.03730	.00130	.00430
3.000	-4.936	15.25500	.06860	.05630	.00180	.03880	40.00000	.05600	.05670	.00200	.00170
3.000	-2.427	15.25500	.06890	.04680	.00230	.03880	40.00000	.04670	.04700	.00170	.00300
3.000	.000	15.25400	.06950	.03960	.00060	.02910	40.00000	.04180	.03730	-.00320	.00430
3.000	2.504	15.25500	.06970	.03940	.00490	.01940	40.00000	.03730	.04150	.00130	00850
3.000	4.998	15.25500	.07010	.02780	.00330	.00970	40.00000	.02800	.02770	.00100	.00570
3.000	9.999	15.25500	.07120	.03940	.00490	.02910	40.00000	.03730	.04150	.00130	.00850
3.000	15.038	15.25700	.07210	.04410	.00510	.02910	40.00000	.04670	.04150	.00170	.00850
3.000	22.834	15.25800	.07330	.02990	.00540	.01940	40.00000	.02800	.03180	.00100	.00980
	GRADIENT	.00000	.00015	-.00260	.00023	-.00313	-.00000	-.00264	-.00256	-.00009	.00054

AMES 118-1-87 OA145C 01 (C2H081) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 40.000
RN/L = 2.500

RUN NO. 145/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-9.476	20.24400	.07240	.03730	.00280	.00970	40.00000	.03730	.03730	.00130	.00430
3.000	-4.936	20.25300	.07430	.04680	.00230	.02910	40.00000	.04670	.04700	.00170	.00300
3.000	-2.427	20.25300	.07480	.04930	.00470	.02910	40.00000	.05150	.04700	.00650	.00300
3.000	.009	20.25300	.07520	.03250	.00350	.01940	40.00000	.03730	.02770	.00130	.00570
3.000	2.524	20.25300	.07540	.04410	.00510	.02910	40.00000	.04670	.04150	.00170	.00850
3.000	5.008	20.25300	.07550	.03960	.00060	.02910	40.00000	.04180	.03730	-.00320	.00430
3.000	9.999	20.25300	.07590	.04680	.00230	.02910	40.00000	.04670	.04700	.00170	.00300
	GRADIENT	.00000	.00015	-.00099	.00029	-.00038	-.00000	-.00056	-.00143	-.00021	.00077

AMES 118-1-87 OA145C 01 (C2H082) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	40.000
RN/L =	2.500		

RUN NO. 146/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-22.724	15.25900	2.17820	.05150	.00250	.02910	40.00000	.05600	.04700	.00200	.00300
3.000	-17.927	15.25700	2.17440	.04680	.00230	.02910	40.00000	.04670	.04700	.00170	.00300
3.000	-14.914	15.25600	2.17460	.05150	.00250	.03880	40.00000	.05600	.04700	.00200	.00300
3.000	-9.485	15.25500	2.17520	.03250	.00350	.01940	40.00000	.03730	.02770	.00130	.00570
3.000	-4.936	15.25500	2.17560	.02510	.00610	.00970	40.00000	.02800	.02220	.00100	.01120
3.000	-2.417	15.25400	2.17590	.04200	.00300	.03880	40.00000	.04670	.03730	.00170	.00430
3.000	.027	15.25400	2.17620	.05150	.00250	.04850	40.00000	.05600	.04700	.00200	.00300
3.000	2.544	15.25400	2.17620	.06580	.00130	.04850	40.00000	.06530	.06630	.00230	.00030
3.000	5.008	15.25400	2.17610	.05630	.00180	.04850	40.00000	.05600	.05670	.00200	.00170
3.000	9.999	15.25500	2.17630	.04680	.00230	.03880	40.00000	.04670	.04700	.00170	.00300
3.000	15.006	15.25600	2.17650	.04200	.00300	.02910	40.00000	.04670	.03730	.00170	.00430
3.000	22.845	15.25700	2.17680	.05150	.00250	.03880	40.00000	.05600	.04700	.00200	.00300
	GRADIENT	-.00012	.00008	.00529	-.00060	.00507	-.00000	.00487	.00571	.00017	-.00137

AMES 118-1-87 OA145C 01 (C2H083) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 142/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.319	15.22800	.03640	-.00810	.02910	40.00000	-4.93600	.04670	.02620	.00170	-.01780
3.000	-4.203	15.20600	.04320	-.00580	.02910	40.00000	-4.92590	.05600	.03030	.00200	-.01370
3.000	-2.107	15.20300	.02420	-.00480	.01940	40.00000	-4.94620	.03730	.01100	.00130	-.01100
3.000	-1.046	15.20300	.03640	-.00810	.02910	40.00000	-4.92590	.04670	.02620	.00170	-.01780
3.000	.006	15.21500	-.00070	-.00520	.00000	40.00000	-4.96650	.00930	-.01080	.00030	-.01080
3.000	1.104	15.20500	.05540	-.00910	.04850	40.00000	-4.91570	.06530	.04550	.00230	-.02050
3.000	2.166	15.21200	.03640	-.00810	.02910	40.00000	-4.93600	.04670	.02620	.00170	-.01780
3.000	3.190	15.22300	.03960	.00060	.01940	40.00000	-4.93600	.04180	.03730	-.00320	.00430
3.000	4.242	15.23200	.02580	.00120	.00000	40.00000	-4.94620	.02800	.02350	.00100	.00150
3.000	6.395	15.24000	.03730	.00280	.01940	40.00000	-4.93600	.03730	.03730	.00130	.00430
	GRADIENT	.00294	-.00007	.00069	-.00158	-.00000	-.00086	-.00136	.00122	-.00028	.00168

AMES 118-1-87 OA145C 01 (C2H084) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 147/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.319	.03310	.04180	.00730	.03880	40.00000	-4.94620	.04220	.04150	.00620	.00850
3.000	2.549	.01250	.04890	.00440	.04850	40.00000	-4.93600	.04670	.05120	.00170	.00720
3.000	5.025	.06720	.04510	.00060	.04850	40.00000	-4.93600	.05150	.03870	.00650	-.00530
3.000	7.574	.06480	.03320	-.00130	.03880	40.00000	-4.94620	.03730	.02900	.00130	-.00400
3.000	10.067	.07160	.01420	-.00030	.00970	40.00000	-4.96650	.01870	.00970	.00070	-.00130
3.000	12.120	.07150	.02370	-.00080	.01940	40.00000	-4.95640	.02800	.01930	.00100	-.00270
3.000	14.135	.07570	.02090	.00190	.01940	40.00000	-4.95640	.02800	.01380	.00100	.00280
3.000	15.177	.06320	.03320	-.00130	.02910	40.00000	-4.94620	.03730	.02900	.00130	-.00400
3.000	16.183	.05180	.03320	-.00130	.02910	40.00000	-4.94620	.03730	.02900	.00130	-.00400
3.000	18.213	.05690	.04300	-.00150	.02910	40.00000	-4.93600	.05150	.03450	.00650	-.00950
3.000	20.257	.07300	.03770	.00320	.01940	40.00000	-4.93600	.04220	.03320	.00620	.00020
3.000	22.693	.09080	.03530	.00070	.00970	40.00000	-4.94620	.03730	.03320	.00130	.00020
3.000	25.422	.08910	.02090	.00190	.00000	40.00000	-4.95640	.02800	.01380	.00100	.00280
	GRADIENT	-.00924	.00318	-.00130	.00435	.00000	.00457	.00202	.00435	-.00202	-.00058

AMES 118-1-87 OA145C 01 (C2H085) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 2.500

RUN NO. 129/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.305	.03020	.05300	-.00250	.04850	70.00000	.02670	.05630	.04970	.01130	-.01630
3.000	2.550	.03130	.02660	.00110	.01940	70.00000	.00890	.02830	.02480	.01030	-.00820
3.000	5.011	.06970	.04770	.00220	.03880	70.00000	.01780	.04700	.04830	.01100	-.00670
3.000	7.588	.06610	.04770	.00220	.04850	70.00000	.01780	.04700	.04830	.01100	-.00670
3.000	10.077	.07690	.04490	.00490	.04850	70.00000	.01780	.04700	.04280	.01100	-.00120
3.000	12.145	.07060	.02870	.00320	.02910	70.00000	.00890	.02830	.02900	.01030	-.00400
3.000	14.169	.07450	.02710	-.00290	.02910	70.00000	.01780	.03770	.01650	.01070	-.01650
3.000	15.180	.06380	.02710	-.00290	.03880	70.00000	.01780	.03770	.01650	.01070	-.01650
3.000	16.169	.05340	.01650	-.00800	.02910	70.00000	.00890	.03280	.00020	.00580	-.02180
3.000	18.193	.05680	.03800	.00350	.04850	70.00000	.02670	.04700	.02900	.01100	-.00400
3.000	20.245	.07050	.04010	.00560	.03880	70.00000	.02670	.04700	.03320	.01100	.00020
3.000	22.750	.09350	.03060	.00610	.02910	70.00000	.01780	.03770	.02350	.01070	.00150
3.000	25.455	.08680	.03800	.00350	.04850	70.00000	.01780	.04700	.02900	.01100	-.00400
	GRADIENT	.00049	-.01176	.00160	-.01296	.00000	-.00793	-.01247	-.01109	-.00045	.00361

AMES 118-1-87 OA145C 01 (C2H086) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 2.500

RUN NO. 132/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.326	15.27400	.04780	-.00220	.04850	70.00000	.02670	.05150	.04420	.00650	-.01080
3.000	-4.215	15.24100	.02610	.00160	.01940	70.00000	.00890	.03280	.01930	.00580	-.00270
3.000	-2.121	15.23400	.03590	-.00410	.01940	70.00000	.00890	.03730	.03450	.00130	-.00950
3.000	-1.046	15.23300	.00710	.00260	.00000	70.00000	.00000	.01420	.00000	.00520	.00000
3.000	.009	15.22100	.08310	-.00140	.07760	70.00000	.04450	.08890	.07730	.00790	-.01070
3.000	1.109	15.21000	.06410	-.00040	.05820	70.00000	.03560	.07020	.05800	.00720	-.00800
3.000	2.153	15.21500	.02820	.00370	.01940	70.00000	.00000	.03280	.02350	.00580	.00150
3.000	3.214	15.22300	.01870	.00420	.00970	70.00000	.00000	.02350	.01380	.00550	.00280
3.000	4.289	15.23300	.04510	.00060	.02910	70.00000	.00890	.05150	.03870	.00650	-.00530
3.000	6.379	15.24000	.04510	.00060	.02910	70.00000	.00890	.05150	.03870	.00650	-.00530
	GRADIENT	-.00194	.00109	.00035	.00073	.00000	-.00042	.00114	.00104	.00025	.00045

AMES 118-1-87 OA145C 01 (C2H087) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 131/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.308	.02330	.03590	.00140	.02910	70.00000	.01780	.04700	.02480	.01100	-.00820
3.000	2.558	.02150	.03590	.00140	.01940	70.00000	.01780	.04700	.02480	.01100	-.00820
3.000	5.002	.06950	.01430	-.00570	.00970	70.00000	.00000	.02830	.00020	.01030	-.02180
3.000	7.589	.06700	.03380	-.00070	.02910	70.00000	.01780	.04700	.02070	.01100	-.01230
3.000	10.079	.07480	.04090	-.00360	.02910	70.00000	.01780	.05150	.03030	.00650	-.01370
3.000	12.159	.07380	.02390	-.01060	.01940	70.00000	.00890	.04220	.00570	.00620	-.02730
3.000	14.157	.07770	.03650	-.00800	.02910	70.00000	.01780	.05630	.01660	.01130	-.02740
3.000	15.192	.06310	.02120	-.01330	.01940	70.00000	.01780	.04220	.00030	.00620	-.03270
3.000	16.175	.05300	.01110	-.01340	.00970	70.00000	.00890	.03280	-.01070	.00580	-.03270
3.000	18.190	.05770	.01580	-.01870	.01940	70.00000	.00890	.04220	-.01060	.00620	-.04360
3.000	20.247	.07020	.03560	.00110	.01940	70.00000	.01780	.04220	.02900	.00620	-.00400
3.000	22.761	.09230	.04510	.00060	.01940	70.00000	.01780	.05150	.03870	.00650	-.00530
3.000	25.423	.08860	.04300	-.00150	.02910	70.00000	.01780	.05150	.03450	.00650	-.00950
	GRADIENT	-.00080	-.00000	.00000	-.00431	.00000	.00000	.00000	-.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (C2H088) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	70.000
RN/L =	2.500		

RUN NO. 135/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-9.503	10.15000	.07470	.02610	.00160	.01940	70.00000	.03280	.01930	.00580	-.00270
3.000	-4.916	10.14800	.07770	.04030	.00130	.03880	70.00000	.05150	.02900	.00650	-.00400
3.000	-2.447	10.14800	.07870	.01660	.00210	.00970	70.00000	.02350	.00970	.00550	-.00130
3.000	.027	10.14800	.07940	.02850	.00400	.02910	70.00000	.03770	.01930	.01070	-.00270
3.000	2.504	10.14800	.07980	.04750	.00300	.03880	70.00000	.05630	.03870	.01130	-.00530
3.000	5.008	10.14800	.08040	.03560	.00110	.02910	70.00000	.04220	.02900	.00620	-.00400
3.000	10.021	10.14900	.08160	.03560	.00110	.02910	70.00000	.04220	.02900	.00620	-.00400
	GRADIENT	.00000	.00028	.00136	.00028	.00079	-.00000	.00116	.00157	.00079	-.00021

AMES 118-1-87 OA145C 01 (C2H089) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	70.000
RN/L =	2.500		

RUN NO. 134/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-17.957	15.25700	.06560	.03560	.00110	.01940	70.00000	.04220	.02900	.00620	-.00400
3.000	-14.990	15.25700	.06610	.00480	.00480	-.01000	70.00000	.00970	.00000	.00970	.00000
3.000	-9.485	15.25600	.06690	.01660	.00210	.00000	70.00000	.02350	.00970	.00550	-.00130
3.000	-4.946	15.25600	.06780	.03280	.00380	.01940	70.00000	.04220	.02350	.00620	.00150
3.000	-2.427	15.25600	.06830	.03560	.00110	.01940	70.00000	.04220	.02900	.00620	-.00400
3.000	.018	15.25500	.06890	.03770	.00320	.01940	70.00000	.04220	.03320	.00620	.00020
3.000	2.504	15.25500	.06920	.04720	.00270	.02910	70.00000	.05150	.04280	.00650	-.00120
3.000	4.998	15.25600	.06950	.03080	.00180	.01940	70.00000	.04220	.01930	.00620	-.00270
3.000	10.010	15.25600	.07060	.03350	-.00100	.01940	70.00000	.04220	.02480	.00620	-.00820
3.000	15.027	15.25700	.07150	.04750	.00300	.02910	70.00000	.05630	.03870	.01130	-.00530
	GRADIENT	-.00004	.00017	.00030	-.00010	.00039	-.00000	.00037	.00022	.00001	-.00023

AMES 118-1-87 OA145C 01 (C2H090) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	70.000
RN/L =	2.500		

RUN NO. 136/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-9.476	20.25200	.07270	.03660	-.00340	.00970	70.00000	.04700	.02620	.01100	-.01780
3.000	-4.926	20.25900	.07410	.03880	-.00570	.02910	70.00000	.05150	.02620	.00650	-.01780
3.000	-2.447	20.26000	.07500	.01180	-.00270	.00000	70.00000	.02350	.00010	.00550	-.01090
3.000	.009	20.26000	.07550	.00630	-.00270	.00000	70.00000	.02350	-.01080	.00550	-.01080
3.000	2.534	20.26000	.07570	.05080	-.00370	.02910	70.00000	.06570	.03580	.01170	-.01920
3.000	5.008	20.26000	.07590	.02930	-.00520	.01940	70.00000	.04220	.01650	.00620	-.01650
3.000	10.021	20.26000	.07650	.04130	-.00320	.03880	70.00000	.05630	.02620	.01130	-.01780
	GRADIENT	.00012	.00021	.00126	.00024	.00002	-.00000	.00174	.00075	.00063	-.00017

AMES 118-1-87 OA145C 01 (C2H091) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 70.000
RN/L = 2.500

RUN NO. 137/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-17.957	15.26900	2.17070	.03110	-.00340	.01940	70.00000	.03730	.02480	.00130	-.00820
3.000	-14.947	15.26900	2.17070	.02160	-.00290	.00970	70.00000	.02800	.01520	.00100	-.00680
3.000	-9.448	15.26800	2.17240	.04060	-.00390	.01940	70.00000	.04670	.03450	.00170	-.00950
3.000	-4.936	15.26700	2.16880	.03110	-.00340	.01940	70.00000	.03730	.02480	.00130	-.00820
3.000	-2.437	15.26700	2.17160	.03780	-.00120	.02910	70.00000	.04670	.02900	.00170	-.00400
3.000	.009	15.26700	2.17180	.03580	-.00320	.02910	70.00000	.04670	.02480	.00170	-.00820
3.000	2.514	15.26700	2.17190	.02380	-.00520	.00970	70.00000	.03250	.01520	-.00350	-.00680
3.000	5.008	15.26700	2.17190	.03110	-.00340	.01940	70.00000	.03730	.02480	.00130	-.00820
3.000	10.031	15.26700	2.17190	.03540	-.00360	.02910	70.00000	.04180	.02900	-.00320	-.00400
3.000	15.038	15.26800	2.17200	.04280	-.00620	.02910	70.00000	.05120	.03450	-.00280	-.00950
	GRADIENT	-.00000	.00038	-.00097	-.00030	-.00118	-.00000	-.00058	-.00133	-.00058	.00000

AMES 118-1-87 OA145C 01 (C2H092) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 133/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.309	15.23500	.03770	.00320	.02910	70.00000	.02670	.04220	.03320	.00620	.00020
3.000	-4.197	15.21100	.02610	.00160	.00970	70.00000	-4.93600	.03280	.01930	.00580	-.00270
3.000	-2.085	15.20800	.04510	.00060	.02910	70.00000	-4.92590	.05150	.03870	.00650	-.00530
3.000	-1.046	15.20800	.07360	-.00090	.05820	70.00000	-4.89540	.07950	.06770	.00750	-.00930
3.000	-.008	15.22100	.03060	.00610	.00970	70.00000	-4.93600	.03770	.02350	.01070	.00150
3.000	1.107	15.21000	.03560	.00110	.01940	70.00000	-4.93600	.04220	.02900	.00620	-.00400
3.000	2.173	15.21700	.02610	.00160	.00970	70.00000	-4.94620	.03280	.01930	.00580	-.00270
3.000	3.234	15.22700	.03800	.00350	.00970	70.00000	-4.93600	.04700	.02900	.01100	-.00400
3.000	4.279	15.23600	.02610	.00160	.00000	70.00000	-4.94620	.03280	.01930	.00580	-.00270
3.000	6.410	15.24700	.03280	.00380	.00000	70.00000	-4.93600	.04220	.02350	.00620	.00150
	GRADIENT	.00281	-.00143	.00016	-.00269	-.00000	-.00253	-.00128	-.00157	.00015	.00018

AMES 118-1-87 OA145C 01 (C2H093) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 130/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.317	.03650	.03540	.00540	.01940	70.00000	-4.93600	.03770	.03320	.01070	.00020
3.000	2.564	.01600	.03270	.00820	.00970	70.00000	-4.94620	.03770	.02770	.01070	.00570
3.000	5.019	.06400	.03770	.00320	.00970	70.00000	-4.93600	.04220	.03320	.00620	.00020
3.000	7.582	.06270	.03270	.00820	.00970	70.00000	-4.93600	.03770	.02770	.01070	.00570
3.000	10.079	.07310	.05460	.00010	.02910	70.00000	-4.92590	.06080	.04830	.00680	-.00670
3.000	12.175	.06560	.02640	.00190	.00970	70.00000	-4.94620	.03770	.01520	.01070	-.00680
3.000	14.146	.07620	.02430	-.00020	.00970	70.00000	-4.94620	.03770	.01100	.01070	-.01100
3.000	15.197	.06180	.04270	.00370	.01940	70.00000	-4.92590	.05630	.02900	.01130	-.00400
3.000	16.161	.05190	.02190	-.00260	.00000	70.00000	-4.94620	.03280	.01100	.00580	-.01100
3.000	18.194	.05620	.02850	.00400	.00000	70.00000	-4.94820	.03770	.01930	.01070	-.00270
3.000	20.265	.06960	.04300	-.00150	.01940	70.00000	-4.92590	.05150	.03450	.00650	-.00950
3.000	22.776	.09110	.02640	.00190	.00000	70.00000	-4.94620	.03770	.01520	.01070	-.00680
3.000	25.424	.08920	.02400	-.00050	.00000	70.00000	-4.94620	.03280	.01520	.00580	-.00680
	GRADIENT	-.00912	-.00120	.00125	-.00432	.00000	-.00454	.00000	-.00245	.00000	.00245

AMES 118-1-87 OA145C 01 (C2H094) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 114/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.175	.03860	.02190	.00090	.00970	87.00000	.00000	.01900	.02480	.01000	-.00820
3.000	2.544	.03350	.03880	-.00220	.01940	87.00000	.01780	.03770	.04000	.01070	-.01500
3.000	5.049	.08220	.04130	.00030	.01940	87.00000	.01780	.04250	.04000	.01550	-.01500
3.000	7.194	.07170	.02900	.00350	.00970	87.00000	.00890	.03320	.02480	.01520	-.00820
3.000	10.118	.07630	.01230	.00230	.00970	87.00000	.00000	.01900	.00550	.01000	-.00550
3.000	12.188	.06570	.03330	.00330	.02910	87.00000	.01780	.03770	.02900	.01070	-.00400
3.000	14.164	.07820	.01430	.00430	.00000	87.00000	.00000	.01900	.00970	.01000	-.00130
3.000	15.169	.06500	.00480	.00480	.00000	87.00000	.00000	.00970	.00000	.00970	.00000
3.000	16.187	.05310	.03130	.00130	.01940	87.00000	.00890	.03770	.02480	.01070	-.00820
3.000	18.198	.05780	.02380	.00380	.01940	87.00000	.00890	.02830	.01930	.01030	-.00270
3.000	20.260	.07400	.02690	.00140	.01940	87.00000	.00890	.03320	.02070	.01520	-.01230
3.000	21.730	.08030	.02420	.00420	.00970	87.00000	.00890	.03320	.01520	.01520	-.00680
3.000	22.743	.09270	.03330	.00330	.01940	87.00000	.00890	.03770	.02900	.01070	-.00400
	GRADIENT	-.00215	.00713	-.00131	.00409	.00000	.00751	.00789	.00641	.00030	-.00287

AMES 118-1-87 OA145C 01 (C2H095) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 120/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.270	10.18400	.02870	.00320	.03880	87.00000	.03560	.02830	.02900	.01030	-.00400
3.000	-4.199	10.14600	.03080	.00520	.02910	87.00000	.03560	.02830	.03320	.01030	.00020
3.000	-2.065	10.13400	.03820	.00270	.03880	87.00000	.03560	.03770	.03870	.01070	-.00530
3.000	-1.012	10.10700	.03080	.00520	.02910	87.00000	.02670	.02830	.03320	.01030	.00020
3.000	.066	10.13400	.02870	.00320	.01940	87.00000	.02670	.02830	.02900	.01030	-.00400
3.000	1.116	10.18800	.03820	.00270	.02910	87.00000	.03560	.03770	.03870	.01070	-.00530
3.000	2.169	10.20300	.02630	.00070	.01940	87.00000	.02670	.02350	.02900	.00550	-.00400
3.000	3.203	10.22900	.03300	.00300	.01940	87.00000	.02670	.03280	.03320	.00580	.00020
3.000	4.254	10.24100	.03820	.00270	.02910	87.00000	.02670	.03770	.03870	.01070	-.00530
3.000	6.387	10.23200	.04980	.00420	.03880	87.00000	.03560	.04700	.05250	.01100	-.00250
	GRADIENT	.01454	.00025	-.00032	-.00115	.00000	-.00103	.00041	.00009	-.00036	-.00030

AMES 118-1-87 OA145C 01 (C2H096) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 118/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.367	15.13600	.04060	.00510	.02910	87.00000	.02670	.04250	.03870	.01550	-.00530
3.000	-4.280	15.13400	.03540	.00540	.01940	87.00000	.01780	.03770	.03320	.01070	.00020
3.000	-2.179	15.13800	.04060	.00510	.02910	87.00000	.01780	.04250	.03870	.01550	-.00530
3.000	-1.128	15.14200	.04270	.00720	.01940	87.00000	.01780	.04250	.04280	.01550	-.00120
3.000	-.058	15.13800	.03080	.00520	.00970	87.00000	.01780	.02830	.03320	.01030	.00020
3.000	1.001	15.15100	.03010	.01010	.00970	87.00000	.00890	.02830	.03180	.01030	.00980
3.000	2.075	15.15100	.02800	.00800	.00970	87.00000	.00890	.02830	.02770	.01030	.00570
3.000	3.136	15.15000	.02330	.00780	.00970	87.00000	.00000	.01900	.02770	.01000	.00570
3.000	4.197	15.14600	.04230	.00680	.01940	87.00000	.00890	.03770	.04700	.01070	.00300
3.000	6.304	15.12900	.03530	.00970	.00970	87.00000	.00890	.03320	.03730	.01520	.00430
	GRADIENT	.00192	-.00081	.00032	-.00126	.00000	-.00187	-.00160	-.00001	-.00039	.00103

AMES 118-1-87 OA145C 01 (C2H097) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 117/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.277	20.26100	.03540	.00540	.02910	87.00000	.02670	.03770	.03320	.01070	.00020
3.000	-4.176	20.27600	.04490	.00490	.03880	87.00000	.03560	.04700	.04280	.01100	-.00120
3.000	-2.054	20.27800	.02870	.00320	.01940	87.00000	.02670	.02830	.02900	.01030	-.00400
3.000	-.995	20.28400	.03540	.00540	.02910	87.00000	.03560	.03770	.03320	.01070	.00020
3.000	-.066	20.31000	.04030	.00470	.03880	87.00000	.03560	.03770	.04280	.01070	-.00120
3.000	1.134	20.30300	.04770	.00220	.03880	87.00000	.03560	.04700	.04830	.01100	-.00670
3.000	2.178	20.25900	.03820	.00270	.02910	87.00000	.02670	.03770	.03870	.01070	-.00530
3.000	3.241	20.23000	.04770	.00220	.02910	87.00000	.03560	.04700	.04830	.01100	-.00670
3.000	4.251	20.22400	.07620	.00070	.07760	87.00000	.05340	.07500	.07730	.01200	-.01070
3.000	6.340	20.19900	.02630	.00070	.02910	87.00000	.01780	.02350	.02900	.00550	-.00400
	GRADIENT	-.00659	.00312	-.00046	.00299	-.00000	.00134	.00278	.00344	.00010	-.00103

AMES 118-1-87 OA145C 01 (C2H098) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	2.500		

RUN NO. 115/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.323	2.18400	.04640	-.00560	.03880	87.00000	.00000	.03770	.05520	.01070	-.02180
3.000	2.550	2.15700	.01920	.00370	.00970	87.00000	.00000	.01900	.01930	.01000	-.00270
3.000	5.038	2.18930	.01430	.00430	.00970	87.00000	-.01030	.01900	.00970	.01000	-.00130
3.000	7.769	2.20360	.03130	.00130	.02910	87.00000	.00000	.03770	.02480	.01070	-.00820
3.000	10.189	2.19150	.01710	.00160	.01940	87.00000	.00000	.01900	.01520	.01000	-.00680
3.000	12.229	2.15180	.02660	.00110	.01940	87.00000	.00000	.02830	.02480	.01030	-.00820
3.000	14.234	2.14460	.03400	-.00150	.03880	87.00000	.00000	.03770	.03030	.01070	-.01370
3.000	15.262	2.17770	.03160	-.00390	.02910	87.00000	.00000	.03280	.03030	.00580	-.01370
3.000	16.274	2.13740	.03400	-.00150	.02910	87.00000	.00890	.03770	.03030	.01070	-.01370
3.000	18.221	2.10260	.03090	.00090	.02910	87.00000	.00890	.03280	.02900	.00580	-.00400
3.000	20.373	2.10280	.03870	-.00130	.02910	87.00000	.00890	.04700	.03030	.01100	-.01370
3.000	22.882	2.06870	.02640	.00190	.01940	87.00000	.00890	.03770	.01520	.01070	-.00680
3.000	25.485	2.07890	.01500	-.00050	.00000	87.00000	.00000	.01900	.01100	.01000	-.01100
	GRADIENT	-.01212	-.01221	.00417	-.01306	.00000	.00000	-.00839	-.01612	-.00031	.00857

AMES 118-1-87 OA145C 01 (C2H099) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	2.500		

RUN NO. 121/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-9.494	10.12500	.08680	.02590	.00590	.02910	87.00000	.02830	.02350	.01030	.00150
3.000	-4.926	10.12500	.08770	.03540	.00540	.02910	87.00000	.03770	.03320	.01070	.00020
3.000	-2.417	10.12500	.08840	.04980	.00420	.04850	87.00000	.04700	.05250	.01100	-.00250
3.000	.009	10.12700	.08960	.03540	.00540	.03880	87.00000	.03770	.03320	.01070	.00020
3.000	2.514	10.12600	.08980	.02130	.00570	.00970	87.00000	.01900	.02350	.01000	.00150
3.000	5.008	10.12700	.09020	.04250	.00250	.03880	87.00000	.04220	.04280	.00620	-.00120
3.000	10.010	10.12700	.09120	.02590	.00590	.01940	87.00000	.02830	.02350	.01030	.00150
	GRADIENT	.00020	.00030	-.00228	.00008	-.00274	.00000	-.00264	-.00194	-.00010	.00026

AMES 118-1-87 OA145C 01 (C2H0A0) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 2.500

RUN NO. 122/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-17.937	15.18000	.06240	.04250	.00250	.03880	87.00000	.04220	.04280	.00620	-.00120
3.000	-14.968	15.18300	.06250	.04250	.00250	.01940	87.00000	.04220	.04280	.00620	-.00120
3.000	-9.494	15.18300	.06310	.04030	.00470	.01940	87.00000	.03770	.04280	.01070	-.00120
3.000	-4.926	15.18300	.06380	.03540	.00540	.01940	87.00000	.03770	.03320	.01070	.00020
3.000	-2.447	15.18200	.06420	.01640	.00640	.00000	87.00000	.01900	.01380	.01000	.00280
3.000	.018	15.18300	.06470	.02130	.00570	.00970	87.00000	.01900	.02350	.01000	.00150
3.000	2.534	15.18300	.06480	.03080	.00520	.01940	87.00000	.02830	.03320	.01030	.00020
3.000	5.028	15.18300	.06510	.03820	.00270	.03880	87.00000	.03770	.03870	.01070	-.00530
3.000	10.021	15.18300	.06570	.03540	.00540	.03880	87.00000	.03770	.03320	.01070	.00020
3.000	15.038	15.18400	.06630	.04280	.00280	.03880	87.00000	.04700	.03870	.01100	-.00530
	GRADIENT	.00004	.00014	-.00035	-.00005	.00040	.00000	-.00113	.00040	-.00005	-.00005

AMES 118-1-87 OA145C 01 (C2H0A1) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 2.500

RUN NO. 123/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-9.503	20.25400	.06880	.01970	-.00030	.00970	87.00000	.02830	.01100	.01030	-.01100
3.000	-4.936	20.25100	.06850	.01850	.00850	.00970	87.00000	.01900	.01800	.01000	.00700
3.000	-2.437	20.25100	.06880	.03300	.00300	.02910	87.00000	.03280	.03320	.00580	.00020
3.000	.009	20.25100	.06920	.02590	.00590	.01940	87.00000	.02830	.02350	.01030	.00150
3.000	2.524	20.25100	.06950	.04490	.00490	.03880	87.00000	.04700	.04280	.01100	-.00120
3.000	5.008	20.25100	.06930	.03750	.00750	.03880	87.00000	.03770	.03730	.01070	.00430
3.000	10.031	20.25100	.06980	.02800	.00800	.01940	87.00000	.02830	.02770	.01030	.00570
	GRADIENT	-.00000	.00014	.00291	-.00032	.00314	.00000	.00321	.00262	.00030	-.00094

AMES 118-1-87 OA145C 01 (C2H0A2) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	2.500		

RUN NO. 1247 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-9.512	15.22200	2.17220	.02130	.00570	.00000	87.00000	.01900	.02350	.01000	.00150
3.000	-4.916	15.22100	2.17250	.03300	.00300	.01940	87.00000	.03280	.03320	.00580	.00020
3.000	-2.447	15.22100	2.17260	.02800	.00800	.01940	87.00000	.02830	.02770	.01030	.00570
3.000	.000	15.22100	2.17280	.02800	.00800	.01940	87.00000	.02830	.02770	.01030	.00570
3.000	2.504	15.22100	2.17290	.03510	.00510	.02910	87.00000	.03280	.03730	.00580	.00430
3.000	5.038	15.22100	2.17270	.04700	.00700	.04850	87.00000	.04700	.04700	.01100	.00300
3.000	10.010	15.22100	2.17400	.04030	.00470	.02910	87.00000	.03770	.04280	.01070	-.00120
	GRADIENT	-.00000	.00006	.00026	.00025	.00118	.00000	.00000	.00050	-.00000	.00050

AMES 118-1-87 OA145C 01 (C2H0A3) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 119/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.368	15.13400	.04230	.00680	.02910	87.00000	-4.97670	.03770	.04700	.01070	.00300
3.000	-4.279	15.13300	.02330	.00780	.00970	87.00000	-4.99700	.01900	.02770	.01000	.00570
3.000	-2.187	15.13800	.04230	.00680	.03880	87.00000	-4.98680	.03770	.04700	.01070	.00300
3.000	-1.134	15.14100	.03060	.00610	.02910	87.00000	-4.98680	.03770	.02350	.01070	.00150
3.000	-.055	15.13800	.03540	.00540	.02910	87.00000	-5.00720	.03770	.03320	.01070	.00020
3.000	1.006	15.15100	.04270	.00720	.03880	87.00000	-5.00720	.04250	.04280	.01550	-.00120
3.000	2.064	15.15200	.03820	.00270	.03880	87.00000	-5.00720	.03770	.03870	.01070	-.00530
3.000	3.137	15.15000	.03610	.00060	.03880	87.00000	-5.01730	.03770	.03450	.01070	-.00950
3.000	4.201	15.14700	.01710	.00160	.00970	87.00000	-5.03760	.01900	.01520	.01000	-.00680
3.000	6.304	15.13100	.03850	.00300	.03880	87.00000	-5.01730	.04250	.03450	.01550	-.00950
	GRADIENT	.00213	-.00024	-.00084	.00072	.00000	-.00488	.00031	-.00080	.00007	-.00176

AMES 118-1-87 OA145C 01 (C2H0A4) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = -5.000
RN/L = 2.500

RUN NO. 116/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.170	.04560	.02870	.00320	.02910	87.00000	-4.93600	.02830	.02900	.01030	-.00400
3.000	2.564	.01840	.02980	-.00570	.02910	87.00000	-4.92590	.03770	.02200	.01070	-.02200
3.000	5.011	.06850	.02920	-.00080	.00970	87.00000	-4.92590	.03770	.02070	.01070	-.01230
3.000	7.792	.07060	.05740	.01740	.03880	87.00000	-4.91570	.04700	.06780	.01100	.02380
3.000	10.088	.07430	.02590	.00590	.01940	87.00000	-4.93600	.02830	.02350	.01030	.00150
3.000	12.131	.07620	.02800	.00800	.01940	87.00000	-4.93600	.02830	.02770	.01030	.00570
3.000	14.150	.07420	.03750	.00750	.02910	87.00000	-4.92590	.03770	.03730	.01070	.00430
3.000	15.176	.06380	.01580	.01130	.00000	87.00000	-4.94620	.01900	.01250	.01000	.01250
3.000	16.181	.04970	.03030	.00570	.01940	87.00000	-4.93600	.03280	.02770	.00580	.00570
3.000	18.199	.05500	.02590	.00590	.00970	87.00000	-4.93600	.02830	.02350	.01030	.00150
3.000	20.250	.06750	.03130	.00130	.00970	87.00000	-4.92590	.03770	.02480	.01070	-.00820
3.000	22.757	.09100	.04530	-.00030	.02910	87.00000	-4.91570	.04220	.04830	.00620	-.00670
3.000	25.431	.08510	.03580	.00020	.01940	87.00000	-4.94620	.03280	.03870	.00580	-.00530
	GRADIENT	-.01136	.00046	-.00372	-.00000	.00000	.00422	.00393	-.00292	.00017	-.00752

AMES 118-1-87 OA145C 01 (C2H0A5) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 125/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-11.772	15.18800	.06430	.03510	.00510	87.00000	.00890	.03280	.03730	.00580	.00430
3.000	-8.031	15.19300	.06400	.01850	-.00850	87.00000	.00000	.01900	.01800	.01000	.00700
3.000	-3.894	15.19500	.06380	.03750	.00750	87.00000	.00890	.03770	.03730	.01070	.00430
3.000	.029	15.19500	.06380	.03230	.00780	87.00000	.00890	.03280	.03180	.00580	.00980
3.000	3.996	15.19500	.06370	.03010	.01010	87.00000	.00000	.02830	.03180	.01030	.00980
3.000	7.980	15.19400	.06380	.01580	.01130	87.00000	.00000	.01900	.01250	.01000	.01250
3.000	12.090	15.19400	.06380	.03080	.00520	87.00000	.00000	.02830	.03320	.01030	.00020
3.000	16.349	15.19300	.06370	.02800	-.00800	87.00000	.00000	.02830	.02770	.01030	.00570
3.000	22.613	15.19200	.06370	.04460	.00460	87.00000	.00890	.04220	.04700	.00620	.00300
	GRADIENT	.00000	-.00001	-.00094	.00033	.00000	.00113	-.00119	-.00070	-.00005	.00070

AMES 118-1-87 OA145C 01 (C2H0A6) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = -11.700 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 159/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-22.758	15.22500	.06250	.01690	-.00310	-11.78300	55.00000	.01870	.01520	.00070	-.00680
3.000	-17.947	15.22400	.06310	.01690	-.00310	-11.79300	55.00000	.01870	.01520	.00070	-.00680
3.000	-14.947	15.22300	.06370	.02920	-.00630	-11.77200	55.00000	.02800	.03030	.00100	-.01370
3.000	-9.467	15.22200	.06490	.03870	-.00680	-11.76100	55.00000	.03730	.04000	.00130	-.01500
3.000	-4.936	15.22200	.06590	.01970	-.00580	-11.78300	55.00000	.01870	.02070	.00070	-.01230
3.000	-2.447	15.22200	.06630	.01230	-.00330	-11.79300	55.00000	.00930	.01520	.00030	-.00680
3.000	.018	15.22200	.06680	.01970	-.00580	-11.78300	55.00000	.01870	.02070	.00070	-.01230
3.000	2.534	15.22200	.06710	.02920	-.00630	-11.76100	55.00000	.02800	.03030	.00100	-.01370
3.000	5.008	15.22200	.06770	.02920	-.00630	-11.76100	55.00000	.02800	.03030	.00100	-.01370
3.000	9.999	15.22300	.06880	.02920	-.00630	-11.76100	55.00000	.02800	.03030	.00100	-.01370
	GRADIENT	-.00000	.00016	.00145	-.00016	.00306	-.00000	.00150	.00138	.00005	-.00039

AMES 118-1-87 OA145C 01 (C2H0A7) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = 16.300 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 158/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-22.746	15.22200	.06230	.02180	-.00380	16.31800	55.00000	.01870	.02480	.00070	-.00820
3.000	-17.917	15.22100	.06300	.01970	-.00580	16.31800	55.00000	.01870	.02070	.00070	-.01230
3.000	-14.968	15.22100	.06350	.01230	-.00330	16.31800	55.00000	.00930	.01520	.00030	-.00680
3.000	-9.457	15.22000	.06490	.03870	-.00680	16.34900	55.00000	.03730	.04000	.00130	-.01500
3.000	-4.956	15.21900	.06590	.01970	-.00580	16.31300	55.00000	.01870	.02070	.00070	-.01230
3.000	-2.437	15.21900	.06650	.02640	-.00360	16.33900	55.00000	.02800	.02480	.00100	-.00820
3.000	.036	15.21900	.06710	.03870	-.00680	16.34900	55.00000	.03730	.04000	.00130	-.01500
3.000	2.524	15.21900	.06750	.04820	-.00730	16.35900	55.00000	.04670	.04970	.00170	-.01630
3.000	5.008	15.22000	.06810	.04080	-.00480	16.34900	55.00000	.03730	.04420	.00130	-.01080
3.000	9.999	15.22000	.06920	.02920	-.00630	16.32800	55.00000	.02800	.03030	.00100	-.01370
	GRADIENT	-.00000	.00022	.00392	-.00031	.00534	-.00000	.00374	.00410	.00013	-.00075

AMES 118-1-87 OA145C 01 (C2H0A8) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 160/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.321	15.27000	.02920	-.00630	-11.77200	55.00000	-4.93600	.02800	.03030	.00100	-.01370
3.000	-4.230	15.24200	.03660	-.00890	-11.76100	55.00000	-4.92590	.03730	.03580	.00130	-.01920
3.000	-2.117	15.23400	.03180	-.00820	-11.76100	55.00000	-4.93600	.03730	.02620	.00130	-.01780
3.000	-.991	15.23300	.01020	-.00530	-11.79300	55.00000	-4.94620	.00930	.01100	.00030	-.01100
3.000	-.000	15.22200	.01760	-.00790	-11.78300	55.00000	-4.93600	.01870	.01650	.00070	-.01650
3.000	1.113	15.20700	.03180	-.00820	-11.76100	55.00000	-4.92590	.03730	.02620	.00130	-.01780
3.000	2.146	15.21500	.01760	-.00790	-11.78300	55.00000	-4.93600	.01870	.01650	.00070	-.01650
3.000	3.211	15.22600	.02710	-.00840	-11.77200	55.00000	-4.93600	.02800	.02620	.00100	-.01780
3.000	4.252	15.23600	.01760	-.00790	-11.77200	55.00000	-4.92590	.01870	.01650	.00070	-.01650
3.000	6.375	15.24400	.01480	-.00520	-11.78300	55.00000	-4.93600	.01870	.01100	.00070	-.01100
	GRADIENT	-.00172	-.00138	.00000	-.00100	.00000	.00023	-.00146	-.00130	-.00004	.00006

AMES 118-1-87 OA145C 01 (C2H0A9) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 162/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.303	15.23000	.03800	-.00200	16.34900	55.00000	-4.92590	.03730	.03870	.00130	-.00530
3.000	-4.215	15.20900	.04320	-.00230	16.31900	55.00000	-4.91570	.04220	.04420	.00620	-.01080
3.000	-2.112	15.20500	.02420	-.00130	16.32800	55.00000	-4.93600	.02350	.02480	.00550	-.00820
3.000	-.983	15.21300	.02850	-.00150	16.33900	55.00000	-4.93600	.02800	.02900	.00100	-.00400
3.000	-.005	15.21800	.01230	-.00330	16.31800	55.00000	-4.94620	.00930	.01520	.00030	-.00680
3.000	1.120	15.20400	.04750	-.00250	16.35900	55.00000	-4.91570	.04670	.04830	.00170	-.00670
3.000	2.141	15.21300	.02850	-.00150	16.33900	55.00000	-4.93600	.02800	.02900	.00100	-.00400
3.000	3.196	15.22300	.00950	-.00050	16.31800	55.00000	-4.95640	.00930	.00970	.00030	-.00130
3.000	4.261	15.23400	.04080	-.00480	16.34900	55.00000	-4.92590	.03730	.04420	.00130	-.01080
3.000	6.366	15.24200	.03130	-.00430	16.33900	55.00000	-4.93600	.02800	.03450	.00100	-.00950
	GRADIENT	.00248	-.00076	-.00012	-.00110	.00000	-.00167	-.00089	-.00064	-.00064	.00041

AMES 118-1-87 OA145C 01 (C2HJB0) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 154/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-14.942	15.21700	.06680	.00870	-11.76100	55.00000	.01780	-14.94000	-14.94500	.00200	.01540
3.000	-12.947	15.21700	.06670	.00710	-11.75000	55.00000	.01780	-12.94500	-12.94900	.00730	.00700
3.000	-9.964	15.21800	.06680	.00500	-11.78300	55.00000	.00890	-9.96350	-9.96500	-.00100	.01100
3.000	-7.947	15.21900	.06680	.00240	-11.76100	55.00000	.00890	-7.94700	-7.94740	.00630	-.00140
3.000	-4.943	15.21900	.06680	-.00070	-11.76100	55.00000	.01780	-4.93200	-4.95410	.00160	-.00310
3.000	-3.929	15.22000	.06680	.00280	-11.75000	55.00000	.01780	-3.93120	-3.92650	.00680	-.00120
3.000	-1.920	15.22000	.06690	.00420	-11.73900	55.00000	.02670	-1.90930	-1.93080	.00930	-.00080
3.000	.041	15.22100	.06680	.00350	-11.73900	55.00000	.02670	.05120	.03180	-.00280	.00980
3.000	2.041	15.22100	.06690	.01420	-11.75000	55.00000	.02670	2.03390	2.04750	-.00390	.03220
3.000	4.032	15.22100	.06700	.00190	-11.75000	55.00000	.02670	4.03290	4.03070	-.00050	.00430
3.000	5.016	15.22200	.06690	-.00960	-11.76100	55.00000	.01780	5.02060	5.01240	-.00770	-.01150
3.000	8.018	15.22300	.06700	-.01190	-11.77200	55.00000	.01780	8.02250	8.01410	-.01450	-.00930
3.000	10.026	15.22300	.06700	-.00900	-11.76100	55.00000	.01780	10.02200	10.03000	-.01900	.00110
	GRADIENT	.00021	.00002	.00069	.00070	.00000	.0010.	.99907	1.00095	-.00090	.00227

AMES 11B-1-87 OA145C 01 (C2H0B1) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 153/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
3.000	-14.948	15.21900	.06710	.01390	16.33900	55.00000	.01780	-14.94500	-14.95000	.00720	.02060
3.000	-12.964	15.22000	.06710	.01020	16.32800	55.00000	.00890	-12.97000	-12.95800	.00350	.01680
3.000	-9.944	15.22000	.06710	.00470	16.33900	55.00000	.01780	-9.94280	-9.94500	-.00270	.01200
3.000	-7.942	15.22100	.06720	.00230	16.33900	55.00000	.01780	-7.94190	-7.94260	.00120	.00340
3.000	-6.474	15.22100	.06720	.00600	16.33900	55.00000	.01780	-6.88390	-6.06330	-1.05680	1.06870
3.000	-4.943	15.22200	.06720	-.00070	16.33900	55.00000	.01780	-4.93660	-4.94940	-.00310	.00160
3.000	-3.931	15.22200	.06720	.00070	16.35900	55.00000	.02670	-3.93120	-3.93080	.00680	-.00550
3.000	-1.949	15.22300	.06730	.00350	16.31800	55.00000	.00000	-1.94730	-1.95020	-.00270	.00980
3.000	.023	15.22300	.06730	.00000	16.33900	55.00000	.01780	.03730	.00970	.00130	-.00130
3.000	2.038	15.22400	.06740	.00680	16.34900	55.00000	.01780	2.03880	2.03770	-.00880	.02240
3.000	4.030	15.22500	.06750	-.00040	16.35900	55.00000	.02670	4.02820	4.03070	-.00510	.00430
3.000	5.025	15.22500	.06750	.00010	16.34900	55.00000	.02670	5.02990	5.02100	-.00770	.00790
3.000	8.027	15.22600	.06770	-.00890	16.34900	55.00000	.01780	8.02820	8.02580	-.02020	.00250
3.000	10.021	15.22700	.06770	-.00970	16.32800	55.00000	.00890	10.02600	10.01600	-.01500	-.00430
	GRADIENT	.00033	.00003	.00023	.00143	.00000	.00059	.99965	1.00034	-.00089	.00136

AMES 118-1-87 OA145C 01 (C2H0B2) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	10.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 156/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-11.772	15.22500	.06700	10.02100	-.00410	55.00000	.01780	10.01200	10.03000	-.00940	.00110
3.000	-8.031	15.22500	.06710	10.01200	-.00400	55.00000	.00890	10.00400	10.02100	-.00850	.00050
3.000	-5.979	15.22400	.06710	10.00700	.00050	55.00000	.00890	9.99870	10.01600	-.00370	.00480
3.000	-3.894	15.22400	.06710	10.03000	-.00430	55.00000	.02670	10.02100	10.03900	-.01020	.00170
3.000	-2.011	15.22400	.06710	10.01600	.00040	55.00000	.00890	10.00800	10.02500	-.00450	.00530
3.000	.049	15.22400	.06710	10.03000	-.00430	55.00000	.02670	10.02100	10.03900	-.01020	.00170
3.000	1.960	15.22400	.06720	10.01400	-.00200	55.00000	.01780	10.00800	10.02100	-.00450	.00050
3.000	4.007	15.22400	.06710	10.00500	-.00190	55.00000	.00890	9.99870	10.01100	-.00370	-.00010
3.000	6.020	15.22400	.06730	10.02800	-.00210	55.00000	.02670	10.02100	10.03400	-.01020	.00590
3.000	8.020	15.22300	.06720	10.03000	-.00430	55.00000	.02670	10.02100	10.03900	-.01020	.00170
3.000	12.090	15.22300	.06750	10.01600	-.00440	55.00000	.01780	10.01200	10.02100	-.00940	.00050
3.000	16.328	15.22200	.06750	10.00500	-.00190	55.00000	.00890	9.99870	10.01100	-.00370	-.00010
3.000	22.585	15.22200	.06760	10.01400	-.00200	55.00000	.01780	10.00800	10.02100	-.00450	.00050
	GRADIENT	.00000	.00000	-.00261	.00011	.00000	-.00133	-.00224	-.00302	.00065	-.00043

AMES 118-1-87 OA145C 01 (C2H0B3) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -10.000 AILRON = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 157/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-11.761	15.21900	.06670	-9.93370	.00920	55.00000	.01780	-9.92770	-9.93970	.00120	.01730
3.000	-8.031	15.21900	.06680	-9.95410	.00960	55.00000	.00890	-9.94840	-9.95970	.00290	.01630
3.000	-5.979	15.21900	.06680	-9.94890	.00920	55.00000	.00890	-9.93810	-9.95970	.00210	.01630
3.000	-3.894	15.21900	.06680	-9.92860	.00880	55.00000	.02670	-9.91740	-9.93970	.00040	.01730
3.000	-1.980	15.21900	.06680	-9.92860	.00880	55.00000	.02670	-9.91740	-9.93970	.00040	.01730
3.000	.000	15.21900	.06690	-9.94390	.00940	55.00000	.01780	-9.93810	-9.94970	.00210	.01670
3.000	1.960	15.21900	.06680	-9.95410	.00960	55.00000	.00890	-9.94840	-9.95970	.00290	.01630
3.000	4.007	15.21800	.06680	-9.94390	.00940	55.00000	.01780	-9.93810	-9.94970	.00210	.01670
3.000	5.990	15.21800	.06690	-9.94890	.00920	55.00000	.00890	-9.93810	-9.95970	.00210	.01630
3.000	8.030	15.21600	.06680	-9.93870	.00900	55.00000	.01780	-9.92770	-9.94970	.00120	.01670
3.000	12.080	15.21700	.06680	-9.95410	.00960	55.00000	.00890	-9.94840	-9.95970	.00290	.01630
3.000	16.349	15.21700	.06690	-9.95670	.00700	55.00000	.00890	-9.94840	-9.96500	.00290	.01100
3.000	22.613	15.21600	.06690	-9.92860	.00880	55.00000	.02670	-9.91740	-9.93970	.00040	.01730
	GRADIENT	-.00010	-.00000	-.00283	.00010	.00000	-.00179	-.00365	-.00201	.00053	-.00011

AMES 118-1-87 OA145C 01 (C2H0B4) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 180/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.322	.03040	-9.94630	.00700	-11.76100	55.00000	.00890	-9.94280	-9.94970	-.00270	.01670
3.000	2.585	.02990	-9.94150	.00700	-11.76100	55.00000	.01780	-9.93810	-9.94500	.00210	.01200
3.000	4.981	.07670	-9.95170	.00720	-11.77200	55.00000	.00000	-9.94840	-9.95500	.00290	.01150
3.000	7.582	.07360	-9.94890	.00440	-11.77200	55.00000	.00890	-9.94280	-9.95500	-.00270	.01150
3.000	10.119	.08120	-9.93370	.00920	-11.75000	55.00000	.01780	-9.92770	-9.93970	.00120	.01730
3.000	12.147	.07570	-9.93370	.00920	-11.76100	55.00000	.01780	-9.92770	-9.93970	.00120	.01730
3.000	14.160	.08050	-9.95410	.00960	-11.78300	55.00000	.00000	-9.94840	-9.95970	.00290	.01630
3.000	15.185	.06420	-9.95410	.00960	-11.77200	55.00000	.00000	-9.94840	-9.95970	.00290	.01630
3.000	16.166	.05420	-9.93100	.00650	-11.75000	55.00000	.01780	-9.92220	-9.93970	-.00430	.01730
3.000	18.206	.05890	-9.94390	.00940	-11.76100	55.00000	.01780	-9.93810	-9.94970	.00210	.01670
3.000	20.235	.07100	-9.94110	.00660	-11.76100	55.00000	.00890	-9.93250	-9.94970	-.00350	.01670
3.000	22.753	.09520	-9.94630	.00700	-11.77200	55.00000	.00890	-9.94280	-9.94970	-.00270	.01670
3.000	25.473	.09070	-9.94890	.00920	-11.77200	55.00000	.00890	-9.93810	-9.95970	.00210	.01630
	GRADIENT	.01003	-.00119	.00004	-.00238	-.00000	-.00196	-.00123	-.00117	.00119	-.00111

AMES 118-1-87 OA145C 01 (C2H085) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 181/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.334	.03420	-9.94890	.00440	16.32800	55.00000	.00000	-9.94280	-9.95500	-.00270	.01150
3.000	2.527	.01560	-9.94630	.00700	16.32800	55.00000	.00890	-9.94280	-9.94970	-.00270	.01670
3.000	4.994	.07230	-9.92620	.00650	16.34900	55.00000	.01780	-9.91740	-9.93500	.00040	.01250
3.000	7.590	.06950	-9.94390	.00940	16.32800	55.00000	.00890	-9.93810	-9.94970	.00210	.01670
3.000	10.053	.07760	-9.94630	.00700	16.32800	55.00000	.00890	-9.94280	-9.94970	-.00270	.01670
3.000	12.150	.07380	-9.93370	.00920	16.34900	55.00000	.01780	-9.92770	-9.93970	.00120	.01730
3.000	14.154	.08030	-9.93370	.00920	16.33900	55.00000	.01780	-9.92770	-9.93970	.00120	.01730
3.000	15.216	.06180	-9.97680	.00750	16.29800	55.00000	.00000	-9.97380	-9.97970	-.00020	.01530
3.000	16.186	.05400	-9.96140	.00220	16.31800	55.00000	.00000	-9.95790	-9.96500	-.00660	.01100
3.000	18.191	.05850	-9.94110	.00660	16.33900	55.00000	.00890	-9.93250	-9.94970	-.00350	.01670
3.000	20.240	.07070	-9.93610	.01160	16.33900	55.00000	.01780	-9.92770	-9.94450	.00120	.02200
3.000	22.747	.09480	-9.93370	.00920	16.34900	55.00000	.01780	-9.92770	-9.93970	.00120	.01730
3.000	25.420	.09010	-9.95130	.00680	16.32800	55.00000	.00890	-9.94280	-9.95970	-.00270	.01630
	GRADIENT	.00848	.00494	.00044	.00459	-.00000	.00382	.00555	.00433	.00068	.00017

AMES 11B-1-87 OA145C 01 (C2H0B6) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 183/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.324	.04610	10.02800	-.00700	-11.76100	55.00000	.01780	10.02600	10.03000	-.01500	.00110
3.000	2.507	.02550	10.03200	-.00740	-11.75000	55.00000	.01780	10.03500	10.03000	-.01590	.00110
3.000	5.000	.08070	10.01900	-.00270	-11.77200	55.00000	.00890	10.02100	10.01600	-.01020	.00480
3.000	7.570	.06860	10.02100	-.00480	-11.77200	55.00000	.00890	10.02100	10.02100	-.01020	.00050
3.000	10.055	.07510	10.00700	-.00500	-11.78300	55.00000	.00000	10.01200	10.00200	-.00940	-.00060
3.000	12.140	.07440	10.03000	-.00980	-11.75000	55.00000	.01780	10.03500	10.02500	-.01590	-.00370
3.000	14.179	.07960	10.02300	-.00730	-11.76100	55.00000	.00890	10.02600	10.02100	-.01500	.00050
3.000	15.198	.06340	10.04800	-.00960	-11.72800	55.00000	.02670	10.04900	10.04800	-.02150	.00230
3.000	16.222	.05380	9.98940	-.00470	-11.80400	55.00000	.00000	9.99470	9.98420	-.00770	-.00180
3.000	18.216	.05810	10.01600	-.00510	-11.77200	55.00000	.00890	10.02100	10.01100	-.01020	-.00010
3.000	20.251	.07080	10.01900	-.00750	-11.76100	55.00000	.00890	10.02600	10.01100	-.01500	-.00010
3.000	22.762	.09420	10.01600	-.00510	-11.77200	55.00000	.00890	10.02100	10.01100	-.01020	-.00010
3.000	25.442	.08910	10.01400	-.00710	-11.77200	55.00000	.00890	10.01700	10.01100	-.01420	-.00010
	GRADIENT	.00775	-.00200	.00094	-.00251	.00000	-.00194	-.00118	-.00306	.00106	.00081

AMES 118-1-87 OA145C 01 (C2H0B7) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 182/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.310	.03900	10.02500	-.00940	16.33900	55.00000	.01780	10.02600	10.02500	-.01500	-.00370
3.000	2.510	.00420	10.02500	-.00940	16.33900	55.00000	.01780	10.02600	10.02500	-.01500	-.00370
3.000	4.992	.06950	10.01400	-.00750	16.32800	55.00000	.00890	10.02100	10.00700	-.01020	-.00490
3.000	7.606	.06880	10.03200	-.01190	16.34900	55.00000	.01780	10.03500	10.02900	-.01590	-.00800
3.000	10.062	.07720	10.00700	-.00950	16.31800	55.00000	.00000	10.01200	10.00200	-.00940	-.00970
3.000	12.201	.07180	10.02500	-.00940	16.33900	55.00000	.01780	10.02600	10.02500	-.01500	-.00370
3.000	14.136	.08010	10.02500	-.00940	16.33900	55.00000	.01780	10.02600	10.02500	-.01500	-.00370
3.000	15.188	.06390	10.02100	-.00970	16.33900	55.00000	.00890	10.02600	10.01600	-.01500	-.00430
3.000	16.199	.05420	10.03400	-.00950	16.34900	55.00000	.01780	10.03500	10.03400	-.01590	-.00320
3.000	18.207	.05890	10.01200	-.00950	16.32800	55.00000	.00890	10.01700	10.00700	-.01420	-.00490
3.000	20.224	.07210	10.02100	-.00970	16.33900	55.00000	.00890	10.02600	10.01600	-.01500	-.00430
3.000	22.782	.09500	10.01800	-.00730	16.32800	55.00000	.00890	10.02100	10.01600	-.01020	-.00430
3.000	25.440	.08930	10.02300	-.00730	16.33900	55.00000	.01780	10.02600	10.02100	-.01500	.00050
	GRADIENT	.00694	-.00239	.00041	-.00239	-.00000	-.00194	-.00109	-.00392	.00104	-.00026

AMES 118-1-87 OA145C 01 (C2H0B8) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELV-OB = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RUDDER = .000 RN/L = 2.500

RUN NO. 163/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
3.000	-3.951	15.14800	.06670	-1.96280	-.00130	.00970	55.00000	.00000	.02480	.00550	-.00820
3.000	-1.937	15.14900	.06660	-.94930	.00100	.02910	55.00000	.01780	.03870	.00730	-.00530
3.000	.028	15.14900	.06670	.03610	-.00490	.02910	55.00000	.01780	.04420	.00100	-.01080
3.000	2.014	15.14900	.06670	1.02430	-.00680	.01940	55.00000	.00890	.03450	-.00400	-.00950
3.000	4.010	15.14900	.06670	2.01730	-.00670	.01940	55.00000	.00890	.02480	-.00530	-.00820
	GRADIENT	.00010	.00000	.49990	-.00093	.00049	-.00000	.00045	-.00021	-.00165	-.00021

AMES 118-1-87 OA145C 01 (C2H0B9) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELV-OB =	5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 164/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
3.000	1.016	15.15000	.06670	3.01630	-.00560	.01940	55.00000	.00890	5.01710	-.00440	-.00680
3.000	3.022	15.15000	.06670	4.02460	-.00720	.02910	55.00000	.01780	5.02720	-.00680	-.00760
3.000	5.016	15.15000	.06660	5.01380	-.00220	.01940	55.00000	.01780	5.01170	-.00300	-.00140
3.000	7.007	15.15100	.06670	6.00450	-.00980	.00970	55.00000	.00890	5.00160	-.01900	-.00060
3.000	9.023	15.15100	.06670	7.02500	-.01000	.03880	55.00000	.02670	5.02640	-.02250	.00250
	GRADIENT	.00000	-.00000	.50252	-.00080	.00483	-.00000	.00444	.00503	-.00120	-.00040

AMES 118-1-87 OA145C 01 (C2H0C0) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-OB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 165/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
3.000	-8.942	15.14700	.06690	-6.94340	.00270	.02910	55.00000	.01780	-4.94470	-.00090	.00630
3.000	-6.950	15.14700	.06690	-5.94990	.00250	.01940	55.00000	.00890	-4.94940	.00350	.00160
3.000	-4.927	15.14800	.06680	-4.93110	.00600	.03880	55.00000	.02670	-4.93480	.00630	.00570
3.000	-2.960	15.14800	.06670	-3.95970	.00630	.00970	55.00000	.00890	-4.95930	.01050	.00220
3.000	-.931	15.14800	.06670	-2.93290	.00840	.03880	55.00000	.01780	-4.93480	.01110	.00570
	GRADIENT	.00000	-.00002	.50006	.00060	.00008	.00000	-.00219	.00006	.00120	.00001

AMES 118-1-87 OA145C 01 (C2H0C1) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELV-IB = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RUDDER = .000 RN/L = 2.500

RUN NO. 166/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	AIL-OB
3.000	-3.934	15.14900	.06690	-1.95060	-.00680	.02910	55.00000	.01780	.03280	.00580	-.01950
3.000	-1.918	15.14900	.06680	-.94010	.00690	.03880	55.00000	.02670	.03730	.00130	.01240
3.000	.028	15.14900	.06670	.03030	.00570	.03880	55.00000	.01780	.03280	.00580	.00570
3.000	2.003	15.15000	.06680	1.00850	.01160	.00970	55.00000	.00000	.01420	.00520	.01800
3.000	4.019	15.15000	.06670	2.03080	-.00490	.04850	55.00000	.02670	.04220	.00620	-.01590
	GRADIENT	.00015	-.00002	.49989	.00043	.00051	.00000	-.00043	-.00020	.00023	.00064

AMES 118-1-87 OA145C 01 (C2H0C2) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELV-IB = 5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RUDDER = .000 RN/L = 2.500

RUN NO. 167/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	AIL-OB
3.000	1.028	15.15000	.06670	3.02640	.00630	.02910	55.00000	.02670	5.02520	-.00300	.01550
3.000	3.001	15.15000	.06670	4.01330	-.00370	.02910	55.00000	.01780	5.02520	-.00300	-.00440
3.000	5.002	15.15000	.06670	5.00910	-.00690	.01940	55.00000	.01780	5.01590	-.00300	-.01070
3.000	6.999	15.15100	.06670	6.00510	.00060	.01940	55.00000	.00890	5.01130	-.00770	.00890
3.000	9.041	15.15100	.06670	7.03780	-.00540	.04850	55.00000	.02670	5.03460	-.00300	-.00790
	GRADIENT	.00000	.00000	.49997	-.00507	.00000	.00000	-.00451	.00000	.00000	-.01008

AMES 118-1-87 OA145C 01 (C2H0C3) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-IB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 168/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	AIL-OB
3.000	-8.965	15.14800	.06690	-6.95650	.00390	.01940	55.00000	.00890	-4.94780	.00810	-.00020
3.000	-6.945	15.14800	.06700	-5.94120	-.00130	.02910	55.00000	.01780	-4.93750	.00720	-.00980
3.000	-4.964	15.14800	.06690	-4.96100	.00330	.01940	55.00000	.00890	-4.95800	.00900	-.00250
3.000	-2.983	15.14800	.06690	-3.97050	-.00450	.01940	55.00000	.00890	-4.95800	.00900	-.01800
3.000	-.941	15.14800	.06690	-2.93910	.00820	.02910	55.00000	.01780	-4.93750	.00720	.00930
	GRADIENT	-.00000	.00000	.50256	.00124	.00242	.00000	.00222	.00512	-.00045	.00299

AMES 118-1-87 OA145C 01 (C2H0C4) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 169/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-OB
3.000	-3.984	15.14900	.06690	.04550	-1.98680	.03880	55.00000	.01780	.05910	.03180	.00980
3.000	-1.969	15.14900	.06690	.02860	-.98110	.01940	55.00000	.00890	.03910	.01800	.00700
3.000	.011	15.14900	.06690	.04220	.00770	.03080	55.00000	.02670	.04700	.03730	.00430
3.000	1.972	15.14900	.06670	.02290	.98960	.01940	55.00000	.00890	.02770	.01800	.00700
3.000	3.980	15.14900	.06670	.03050	1.99300	.02910	55.00000	.00890	.03340	.02770	.00570
	GRADIENT	-.00000	-.00003	-.00180	.49978	-.00098	.00000	-.00089	-.00316	-.00041	-.00041

AMES 118-1-87 OA145C 01 (C2H0C5) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 170/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-OB
3.000	-4.012	15.15000	.06640	5.01830	-2.00730	.02910	55.00000	.01780	5.01480	5.02180	-.00210
3.000	-2.016	15.15000	.06670	5.02940	-1.01190	.03880	55.00000	.02670	5.03150	5.02720	-.00760
3.000	-.008	15.15000	.06670	5.01610	-.00450	.01940	55.00000	.01780	5.02060	5.01170	-.00140
3.000	1.989	15.15000	.06680	5.02480	.99300	.03880	55.00000	.02670	5.01780	5.03190	-.00290
3.000	3.972	15.15100	.06690	5.01930	1.98200	.03880	55.00000	.02670	5.01150	5.02720	-.00760
	GRADIENT	.00010	.00006	-.00013	.49985	.00097	.00000	.00089	-.00102	.00077	-.00031

AMES 118-1-87 OA145C 01 (C2H0C6) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 171/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-OB
3.000	-3.995	15.14800	.06720	-4.93360	-1.99750	.03880	55.00000	.01780	-4.93760	-4.92960	.00040
3.000	-2.012	15.14800	.06710	-4.92730	-1.00570	.02910	55.00000	.00890	-4.92510	-4.92960	.00040
3.000	-.002	15.14700	.06690	-6.95480	-.00040	.01940	55.00000	.00890	-8.96010	-4.94940	.00160
3.000	2.002	15.14700	.06670	-4.94820	1.00420	.01940	55.00000	.00890	-4.95180	-4.94470	.00630
3.000	4.014	15.14600	.06660	-4.93940	2.00980	.02910	55.00000	.00890	-4.94390	-4.93480	.00570
	GRADIENT	-.00025	-.00008	-.00144	.50041	-.00145	.00000	-.00089	-.00160	-.00127	.00082

AMES 118-1-87 OA145C 01 (C2H0C7) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 172/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB
3.000	-3.973	15.14800	.06660	.03670	-1.98110	.02910	55.00000	.01780	.02830	.04500	.01030
3.000	-1.963	15.14800	.06680	.02510	-.98080	.01940	55.00000	.00000	.02800	.02220	.00100
3.000	.000	15.14800	.06690	.03530	.00070	.02910	55.00000	.00890	.03730	.03320	.00130
3.000	2.005	15.14800	.06680	.05820	1.00570	.02910	55.00000	.01780	.05150	.06500	.00650
3.000	3.980	15.14800	.06690	.04320	1.99320	.02910	55.00000	.00890	.04220	.04430	.00620
	GRADIENT	-.00000	.00003	.00232	.49992	.00048	-.00000	-.00000	.00258	.00208	-.00014

AMES 118-1-87 OA145C 01 (C2H0C8) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 173/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB
3.000	-3.989	15.15000	.06610	5.03350	-2.00090	.02910	55.00000	.01780	5.03460	5.03250	-.01230
3.000	-2.004	15.15000	.06630	5.03020	-1.00560	.01940	55.00000	.00890	5.02990	5.03050	-.00770
3.000	.004	15.15000	.06670	5.00880	-.00180	.00970	55.00000	.00890	5.01130	5.00630	-.00770
3.000	1.997	15.15000	.06700	5.03050	.99460	.02910	55.00000	.02670	5.03920	5.02180	-.00770
3.000	4.001	15.15100	.06710	5.02690	1.99660	.02910	55.00000	.01780	5.02990	5.02390	-.00770
	GRADIENT	.00010	.00014	-.00065	.50023	.00049	-.00000	.00089	-.00001	-.00130	.00046

AMES 118-1-87 OA145C 01 (C2H0C9) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 174/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB
3.000	-4.013	15.14800	.06710	-4.93700	-2.01080	.02910	55.00000	.01780	-4.93100	-4.94300	-.00870
3.000	-2.000	15.14800	.06700	-4.94790	-1.00390	.01940	55.00000	.00890	-4.94130	-4.95440	-.00770
3.000	.000	15.14800	.06690	-4.93030	-.00410	.03880	55.00000	.01780	-4.93100	-4.92960	-.00870
3.000	1.984	15.14800	.06670	-4.98330	.98940	.00000	55.00000	.00000	-4.97200	-4.99460	-.00500
3.000	4.007	15.14800	.06660	-4.93470	1.99920	.02910	55.00000	.00890	-4.93100	-4.93840	-.00870
	GRADIENT	.00000	-.00006	-.00152	.50007	-.00096	.00000	-.00133	-.00152	-.00153	.00013

AMES 118-1-87 OA145C 01 (C2H0D0) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 161/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.285	15.23600	.02710	-.00840	-11.77200	55.00000	-4.91570	.02800	.02620	.00100	-.01780
3.000	-4.215	15.21300	.02710	-.00840	-11.77200	55.00000	-4.91570	.02800	.02620	.00100	-.01780
3.000	-2.084	15.21000	.02710	-.00840	-11.77200	55.00000	-4.91570	.02800	.02620	.00100	-.01780
3.000	-1.050	15.21700	.03660	-.00890	-11.76100	55.00000	-4.90560	.03730	.03580	.00130	-.01920
3.000	.035	15.22100	.04400	-.01150	-11.75000	55.00000	-4.90560	.04670	.04130	.00170	-.02470
3.000	1.114	15.20900	.03660	-.00890	-11.76100	55.00000	-4.91570	.03730	.03580	.00130	-.01920
3.000	2.153	15.21700	.02710	-.00840	-11.77200	55.00000	-4.91570	.02800	.02620	.00100	-.01780
3.000	3.237	15.22700	.03660	-.00890	-11.76100	55.00000	-4.91570	.03730	.03580	.00130	-.01920
	GRADIENT	.00138	.00094	-.00006	.00110	.00000	-.00020	.00093	.00094	.00003	-.00016

AMES 118-1-87 OA145C 01 (C2H0D1) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 150/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	.318	.03100	.03140	-.00860	.03880	55.00000	.02670	.03250	.03030	-.00350	-.01370
3.000	3.072	.02460	.03540	-.00360	.03880	55.00000	.02670	.04180	.02900	-.00320	-.00400
3.000	4.051	.06450	.04280	-.00620	.03880	55.00000	.02670	.05120	.03450	-.00280	-.00950
3.000	6.016	.06150	.03330	-.00570	.02910	55.00000	.02670	.04180	.02480	-.00320	-.00820
3.000	8.026	.07020	.02590	-.00310	.01940	55.00000	.01780	.03250	.01930	-.00350	-.00270
3.000	10.107	.07080	.04060	-.00390	.03880	55.00000	.02670	.04670	.03450	.00170	-.00950
3.000	12.125	.07190	.02160	-.00290	.01940	55.00000	.01780	.02800	.01520	.00100	-.00680
3.000	14.156	.07510	.04080	-.00820	.02910	55.00000	.02670	.05120	.03030	-.00280	-.01370
3.000	15.174	.06440	.02800	-.00100	.01940	55.00000	.01780	.03250	.02350	-.00350	.00150
3.000	16.180	.05090	.01850	-.00050	.00970	55.00000	.00890	.02320	.01380	-.00380	.00280
3.000	18.194	.05580	.04030	-.00430	.02910	55.00000	.02670	.04180	.03870	-.00320	-.00530
3.000	20.259	.06740	.04460	-.00440	.02910	55.00000	.02670	.04630	.04280	-.00770	-.00120
3.000	22.249	.08320	.02350	-.00550	.00000	55.00000	.01780	.02770	.01930	-.00830	-.00270
3.000	26.341	.08910	.02800	-.00100	.01940	55.00000	.01780	.03250	.02350	-.00350	.00150
3.000	29.787	.01150	.03510	-.00390	.02910	55.00000	.04450	.03700	.03320	-.00800	.00020
	GRADIENT	.00652	.00271	.00090	-.00000	-.00000	.00000	.00465	.00078	.00017	.00165

AMES 118-1-87 OA145C 01 (C2H0D2) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 149/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.000	-6.328	15.27100	.02590	-.00310	.01940	55.00000	.00000	.03250	.01930	-.00350	-.00270
3.000	-4.223	15.23800	.04490	-.00410	.04850	55.00000	.01780	.05120	.03870	-.00280	-.00530
3.000	-2.122	15.23000	.01640	-.00260	.01940	55.00000	.00000	.02320	.00970	-.00380	-.00130
3.000	-1.043	15.22900	.02590	-.00310	.02910	55.00000	.00000	.03250	.01930	-.00350	-.00270
3.000	.012	15.21600	.02590	-.00310	.02910	55.00000	.00000	.03250	.01930	-.00350	-.00270
3.000	1.098	15.20300	.04490	-.00410	.04850	55.00000	.00890	.05120	.03870	-.00280	-.00530
3.000	2.152	15.21100	.04700	-.00200	.05820	55.00000	.01780	.05120	.04280	-.00280	-.00120
3.000	3.198	15.22100	.00690	-.00210	.00970	55.00000	-.01030	.01380	.00000	-.00420	.00000
3.000	4.243	15.23100	.01640	-.00260	.01940	55.00000	-.01030	.02320	.00970	-.00380	-.00130
3.000	6.384	15.23900	.03540	-.00360	.02910	55.00000	.00000	.04180	.02900	-.00320	-.00400
	GRADIENT	-.00183	-.00185	.00017	-.00165	.00000	-.00202	-.00188	-.00182	-.00007	.00040

AMES 118-1-87 OA145C 01 (C2H0D3) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 175/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
3.496	-29.949	14.79600	-.06260	.00400	.04850	55.00000	.02670	-29.94000	-29.95700	.01260	-.00450
3.496	-19.931	14.79700	-.06260	.01980	.04850	55.00000	.02670	-19.91000	-19.95200	.02010	.01950
3.496	-14.942	14.79400	-.06240	.00860	.03880	55.00000	.01780	-14.94500	-14.94000	.00720	.01010
3.496	-12.952	14.79500	-.06260	.00690	.02910	55.00000	.01780	-12.94000	-12.96300	.00200	.01190
3.496	-9.928	14.80000	-.06270	.00370	.04850	55.00000	.02670	-9.91660	-9.93970	-.00990	.01730
3.496	-7.950	14.80100	-.06280	.00050	.01940	55.00000	.00890	-7.94150	-7.95840	-.00850	.00960
3.496	-4.936	14.81000	-.06340	.00130	.03880	55.00000	.01780	-4.93660	-4.93480	-.00310	.00570
3.496	-3.947	14.81000	-.06340	.00920	.01940	55.00000	.00890	-3.93500	-3.95980	.02100	-.00250
3.496	-1.944	14.81100	-.06340	.00860	.01940	55.00000	.00890	-1.93790	-1.95080	-.00200	.01920
3.496	.030	14.81300	-.06350	.00110	.04850	55.00000	.02670	.03250	.02770	-.00350	.00570
3.496	2.041	14.81000	-.06340	.01920	.04850	55.00000	.02670	2.03900	2.04260	.01100	.02730
3.496	4.015	14.81100	-.06330	-.00160	.01940	55.00000	.01780	4.02370	4.00620	-.00060	-.00270
3.496	5.026	14.81200	-.06330	-.00020	.02910	55.00000	.02670	5.02520	5.02640	-.00300	.00250
3.496	8.033	14.81300	-.06350	-.00340	.03880	55.00000	.02670	8.03920	8.02580	-.00920	.00250
3.496	10.019	14.81400	-.06350	-.00260	.01940	55.00000	.00890	10.02200	10.01700	-.01900	.01380
3.496	20.031	14.81700	-.06360	-.00260	.00970	55.00000	.01780	19.99700	20.06600	-.03670	.03160
	GRADIENT	.00010	.00001	.00005	.00043	-.00000	.00118	.99994	1.00007	-.00043	.00052

AMES 118-1-87 OA145C 01 (D2H001) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	1.000		

RUN NO. 10/ 0 RN/L = .93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.087	.167	.04170	.04840	.04400	.03600	.00670	-.00800	.04340
3.087	1.940	.03330	.04840	.04400	.02700	.01500	-.01700	.03250
3.087	3.890	.03330	.03870	.03300	.02700	.00540	-.00600	.03250
3.087	5.870	.03330	.03870	.03300	.02700	.00540	-.00600	.03250
3.087	7.859	.01670	.02900	.01100	.00900	.01240	-.00200	.01080
3.087	9.876	.02500	.03870	.03300	.02700	.01370	-.00600	.03250
3.087	11.914	.02500	.03870	.03300	.02700	.01370	-.00600	.03250
3.087	13.936	.02500	.04840	.03300	.02700	.02340	-.00600	.03250
3.087	14.949	.03330	.04840	.04400	.03600	.01500	-.00800	.03250
3.087	17.002	.01670	.03870	.03300	.02700	.02200	-.00600	.02170
3.087	18.017	.00830	.01930	.01100	.00900	.01100	-.00200	.01080
3.087	22.120	.00000	.02900	.02200	.01800	.02900	-.00400	.01080
3.087	29.258	.02500	.02900	.03300	.02700	.00400	-.00600	.03250
	GRADIENT	-.00222	-.00264	-.00300	-.00238	-.00043	.00062	-.00288

AMES 118-1-87 OA145C 01 (D2H002) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 16/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
2.493	.307	.03330	.05800	.03300	.05400	.02470	.02100	.00000
2.493	1.990	.03330	.04840	.03300	.04500	.01500	.01200	.00000
2.493	4.010	.01670	.02900	.01100	.02700	.01240	.01600	-.01250
2.493	6.033	.02500	.03870	.02200	.03600	.01370	.01400	.00000
2.493	8.069	.03330	.05800	.03300	.04500	.02470	.01200	.00000
2.493	10.124	.00830	.04840	.02200	.04500	.04000	.02300	.00000
2.493	12.200	.02500	.04840	.02200	.03600	.02340	.01400	.00000
2.493	14.203	.01670	.03870	.01100	.01800	.02200	.00700	.00000
2.493	15.236	.01670	.02900	.00000	.01800	.01240	.01800	-.01250
2.493	16.219	.01670	.02900	.00000	.01800	.01240	.01800	-.01250
2.493	18.252	.01670	.04840	.03300	.04500	.03170	.01200	.00000
2.493	20.318	.02500	.05800	.02200	.03600	.03300	.01400	.00000
2.493	22.314	.03330	.05800	.03300	.02700	.02470	-.00600	.00000
2.493	26.427	.00830	.02900	.00000	.01800	.02070	.01800	.00000
2.493	29.771	.02500	.04840	.02200	.03600	.02340	.01400	.00000
	GRADIENT	-.00461	-.00789	-.00610	-.00734	-.00325	-.00124	-.00347

RUN NO. 22/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	.182	.02500	.01930	.02200	.02700	-.00570	.00500	.02170
3.001	1.875	.00000	.00000	.00000	.00000	.00000	.00000	.00000
3.001	3.882	-.01080	.00000	.00000	.00900	.01080	.00900	.00000
3.001	5.887	.00000	.00000	.00000	.00900	.00000	.00900	.00000
3.001	7.896	.00000	.00000	.00000	.00900	.00000	.00900	.00000
3.001	9.949	.00000	.00000	-.01000	.00000	.00000	.01000	.00000
3.001	12.102	.00000	.00000	.00000	.00900	.00000	.00900	.00000
3.001	14.149	.00000	.00970	.00000	.00900	.00970	.00900	.00000
3.001	15.195	.01670	.01930	.02200	.02700	.00270	.00500	.01080
3.001	16.195	.03330	.01930	.02200	.01800	-.01400	-.00400	.01080
3.001	18.198	.01670	.00000	.01100	.00900	-.01670	-.00200	.00000
3.001	20.260	.02500	.01930	.02200	.02700	-.00570	.00500	.01080
3.001	22.246	.04170	.02900	.02200	.02700	-.01260	.00500	.01080
3.001	26.350	.03330	.00970	.02200	.01800	-.02360	-.00400	.01080
3.001	29.544	.01670	.00970	.01100	.00900	-.00700	-.00200	.00000
	GRADIENT	-.00954	-.00506	-.00576	-.00458	.00449	.00119	-.00568

AMES 118-1-87 OA145C 01 (D2H002) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 85/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.498	.020	.03330	.02900	.04400	.06300	-.00430	.01900	.04340
3.498	2.104	.02500	.01930	.02200	.04500	-.00570	.02300	.03250
3.498	4.642	.03330	.02900	.03300	.05400	-.00430	.02100	.04340
3.498	7.116	.03330	.02900	.03300	.05400	-.00430	.02100	.03250
3.498	9.674	.01670	.00970	.01100	.04500	-.00700	.03400	.02170
3.498	11.737	.02500	.01930	.04400	.05400	-.00570	.01000	.03250
3.498	13.767	.03330	.02900	.03300	.06300	-.00430	.03000	.04340
3.498	14.765	.01670	.00970	.02200	.04500	-.00700	.02300	.02170
3.498	15.755	.02500	.01930	.03300	.05400	-.00570	.02100	.03250
3.498	17.774	.00830	.00970	.01100	.03600	.00130	.02500	.02170
3.498	19.824	.00830	.00970	.01100	.03600	.00130	.02500	.02170
3.498	22.314	.01670	.00970	.00000	.04500	-.00700	.04500	.02170
3.498	25.034	.01670	.02900	.02200	.05400	.01240	.03200	.03250
	GRADIENT	.00012	.00014	-.00214	-.00175	.00002	.00039	.00015

AMES 118-1-87 OA145C 01 (D2H003) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	3.250		

RUN NO. 137 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
2.493	.309	.00000	.03870	.00000	.01800	.03870	.01800	.00000
2.493	2.007	.02500	.05800	.03300	.04500	.03300	.01200	.02170
2.493	3.894	.00830	.03870	.01100	.02700	.03040	.01600	.00000
2.493	5.808	.00000	.03870	.00000	.01800	.03870	.01800	.00000
2.493	7.762	.00000	.03870	.01100	.02700	.03870	.01600	.00000
2.493	9.739	.02500	.05800	.02200	.04500	.03300	.02300	.02170
2.493	11.930	.00830	.03870	.03300	.03600	.03040	.00300	.01080
2.493	13.980	.04170	.05800	.03300	.04500	.01640	.01200	.02170
2.493	15.013	.02500	.04840	.02200	.03600	.02340	.01400	.01080
2.493	16.180	.02500	.03870	.03300	.03600	.01370	.00300	.01080
2.493	18.250	.00830	.02900	.00000	.01800	.02070	.01800	.00000
2.493	20.336	.03330	.05800	.03300	.04500	.02470	.01200	.01080
2.493	22.507	.03330	.03870	.01100	.01800	.00540	.00700	.00000
2.493	23.521	.01670	.05800	.02200	.03600	.04140	.01400	.01080
2.493	26.586	.04170	.04840	.03300	.02700	.00670	-.00600	.02170
2.493	29.955	.05000	.04840	.03300	.04500	-.00160	.01200	.02170
	GRADIENT	.00211	-.00019	.00279	.00229	-.00230	-.00051	-.00021

AMES 118-1-87 OA145C 01 (D2H004) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	4.000		

RUN NO. 17/ 0 RN/L = 4.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
2.493	.294	.00830	.03870	.00000	.01800	.03040	.01800	- 02500
2.493	2.005	.02500	.04840	.01100	.03600	.02340	.02500	-.01250
2.493	4.053	.02500	.04840	.02200	.03600	.02340	.01400	-.01250
2.493	6.107	.01670	.04840	.02200	.03600	.03170	.01400	-.01250
2.493	8.161	.02500	.02900	.01100	.02700	.00400	.01600	-.01250
2.493	10.234	.02500	.03870	.01100	.03600	.01370	.02500	-.01250
2.493	12.340	.02500	.05800	.03300	.05400	.03300	.02100	.00000
2.493	14.389	.01670	.03870	.01100	.02700	.02200	.01600	-.01250
2.493	15.421	.01670	.02900	.01100	.02700	.01240	.01600	-.01250
2.493	16.426	.02500	.01930	.01100	.02700	-.00570	.01600	-.01250
2.493	18.495	.03330	.04840	.03300	.03600	.01500	.00300	.00000
2.493	20.577	.01670	.04840	.03300	.03600	.03170	.00300	.00000
2.493	22.596	.02500	.03870	.00000	.01800	.01370	.01800	-.02500
2.493	26.753	.05000	.04840	.03300	.04500	-.00160	.01200	.00000
2.493	30.140	.03330	.03870	.01100	.03600	.00540	.02500	.00000
	GRADIENT	.00430	.00250	.00584	.00463	-.00180	-.00120	.00322

AMES 118-1-87 OA145C 01 (D2H005) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 19/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
2.493	-6.497	.05000	.04840	.03300	.04500	-.00160	.01200	.00000
2.493	-4.377	.02500	.02900	.00000	.02700	.00400	.02700	-.02500
2.493	-2.235	.04170	.05800	.03300	.05400	.01640	.02100	.00000
2.493	-1.178	.00000	.03870	.01100	.02700	.03870	.01600	-.02500
2.493	-.106	.01670	.04840	.02200	.04500	.03170	.02300	-.01250
2.493	.962	.00830	.03870	.02200	.03600	.03040	.01400	-.01250
2.493	2.004	.01670	.04840	.02200	.04500	.03170	.02300	-.01250
2.493	3.057	.00830	.04840	.02200	.03600	.04000	.01400	-.01250
2.493	4.134	.01670	.02900	.00000	.02700	.01240	.02700	-.02500
2.493	6.279	.02500	.03870	.02200	.03600	.01370	.01400	-.02500
	GRADIENT	-.00189	-.00002	.00011	-.00023	.00187	-.00034	-.00006

RUN NO. 27/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-6.277	.01670	.02900	.02200	.02700	.01240	.00500	.03250
3.001	-4.158	.01670	.01930	.02200	.01800	.00270	-.00400	.03250
3.001	-3.091	.00000	.01930	.02200	.01800	.01930	-.00400	.02170
3.001	-2.045	.00000	.00970	.02200	.01800	.00970	-.00400	.02170
3.001	-.987	.00830	.01930	.03300	.01800	.01100	-.01500	.03250
3.001	.083	.00000	.01930	.03300	.02700	.01930	-.00600	.03250
3.001	1.138	.00830	.02900	.03300	.02700	.02070	-.00600	.03250
3.001	2.194	.00000	.00000	.00000	.00900	.00000	.00900	.01080
3.001	3.248	.00000	.00000	.00000	.00900	.00000	.00900	.01080
3.001	4.300	.00830	.01930	.02200	.02700	.01100	.00500	.03250
3.001	6.437	.00000	.00000	.00000	.00900	.00000	.00900	.01080
3.001	10.626	.00830	.01930	.02200	.01800	.01100	-.00400	.03250
	GRADIENT	-.00053	-.00106	-.00173	.00000	-.00054	.00173	-.00086

AMES 118-1-87 OA145C 01 (D2H005) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 87/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.498	-6.557	.00830	.02900	.04400	.05400	.02070	.01000	.03250
3.498	-4.471	.00000	.01930	.04400	.04500	.01930	.00100	.02170
3.498	-2.348	.00830	.02900	.05500	.06300	.02070	.00800	.04340
3.498	-1.259	.02500	.04840	.07700	.07200	.02340	-.00500	.05420
3.498	-.181	.00830	.02900	.04400	.06300	.02070	.01900	.04340
3.498	.892	.00000	.02900	.04400	.05400	.02900	.01000	.03250
3.498	1.970	-.03250	.00000	.00000	.02700	.03250	.02700	.01080
3.498	3.056	.00830	.01930	.03300	.04500	.01100	.01200	.03250
3.498	4.143	.04170	.05800	.07700	.08100	.01640	.00400	.06500
3.498	6.304	.02500	.03870	.04400	.06300	.01370	.01900	.04340
	GRADIENT	.00118	.00090	-.00097	.00038	-.00027	.00134	.00130

AMES 118-1-87 OA145C 01 (D2H006) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 29/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
2.493	-6.497	.01670	.00000	.01100	.00900	-.01670	-.00200	.02170
2.493	-4.382	.01670	.00000	.01100	.00900	-.01670	-.00200	.02170
2.493	-2.263	.00000	.00970	.01100	.00900	.00970	-.00200	.02170
2.493	-1.197	.03330	.02900	.04400	.03600	-.00430	-.00800	.04340
2.493	-.128	.00830	.01930	.02200	.02700	.01100	.00500	.03250
2.493	.923	.00830	.00970	.01100	.01800	.00130	.00700	.02170
2.493	1.992	.00830	.01930	.03300	.01800	.01100	-.01500	.02170
2.493	3.011	.00000	.00000	.00000	.00000	.00000	.00000	.01080
2.493	4.060	.01670	.00970	.02200	.01800	-.00700	-.00400	.01080
2.493	6.215	.02500	.00000	.00000	.00900	-.02500	.00900	.01080
	GRADIENT	-.00081	.00006	-.00004	-.00027	.00087	-.00023	-.00193

AMES 118-1-87 0A145C 01 (D2H006) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 247 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-6.261	.01670	.00970	.03300	.01800	-.00700	-.01500	.00000
3.001	-4.164	.00830	.00970	.02200	.01800	.00130	-.00400	-.01250
3.001	-3.100	.00000	.00000	.01100	.00900	.00000	-.00200	-.01250
3.001	-2.048	.00830	.00000	.02200	.00900	-.00830	-.01300	-.01250
3.001	-.994	.01670	.01930	.03300	.01800	.00270	-.01500	.00000
3.001	.071	.02500	.01930	.04400	.02700	-.00570	-.01700	.00000
3.001	1.123	.00830	.00000	.01100	.00900	-.00830	-.00200	-.02500
3.001	2.167	.02500	.02900	.03300	.03600	.00400	.00300	.00000
3.001	3.203	.01670	.00970	.02200	.00900	-.00700	-.01300	-.01250
3.001	4.236	.03330	.02900	.05500	.02700	-.00430	-.02800	.00000
3.001	6.376	.01670	.01930	.03300	.01800	.00270	-.01500	-.01250
3.001	10.611	.01670	.01930	.04400	.02700	.00270	-.01700	.00000
	GRADIENT	.00277	.00230	.00261	.00129	-.00047	-.00133	.00079

RUN NO. 88/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.498	-6.536	.00000	.00000	.02200	.03600	.00000	.01400	.01080
3.498	-4.438	.00830	.02900	.03300	.05400	.02070	.02100	.03250
3.498	-2.336	.00000	.01930	.02200	.04500	.01930	.02300	.02170
3.498	-1.227	.00830	.01930	.02200	.05400	.01100	.03200	.03250
3.498	-.174	.01670	.02900	.03300	.06300	.01240	.03000	.04340
3.498	.910	.01670	.02900	.03300	.06300	.01240	.03000	.03250
3.498	2.008	.02500	.01930	.02200	.05400	-.00570	.03200	.03250
3.498	3.055	.01670	.01930	.02200	.05400	.00270	.03200	.03250
3.498	4.127	.01670	.01930	.02200	.04500	.00270	.02300	.02170
3.498	6.293	.02500	.01930	.02200	.04500	-.00570	.02300	.02170
	GRADIENT	.00190	-.00075	-.00085	-.00017	-.00264	.00068	-.00032

AMES 118-1-87 OA145C 01 (D2H007) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 15/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
2.493	-6.604	.02500	.04840	.02200	.04500	.02340	.02300	.02170
2.493	-4.476	.03330	.05800	.02200	.04500	.02470	.02300	.02170
2.493	-3.402	.02500	.04840	.01100	.02700	.02340	.01600	.01080
2.493	-2.331	.03330	.05800	.02200	.03600	.02470	.01400	.02170
2.493	-1.253	.03330	.05800	.02200	.04500	.02470	.02300	.02170
2.493	-.209	.00830	.02900	.00000	.02700	.02070	.02700	.00000
2.493	.876	.02500	.04840	.02200	.03600	.02340	.01400	.01080
2.493	1.956	.02500	.03870	.01100	.02700	.01370	.01600	.00000
2.493	3.007	.01670	.03870	.01100	.02700	.02200	.01600	.00000
2.493	4.086	.00830	.03870	.00000	.02700	.03040	.02700	.00000
2.493	6.216	.02500	.04840	.02200	.03600	.02340	.01400	.00000
	GRADIENT	-.00233	-.00240	-.00171	-.00154	-.00007	.00017	-.00270

RUN NO. 23/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-6.307	.00000	.01930	.01100	.02700	.01930	.01600	.01080
3.001	-4.246	.01670	.02900	.03300	.03600	.01240	.00300	.01080
3.001	-3.178	.00000	.00000	.00000	.00000	.00000	.00000	.00000
3.001	-2.116	.00000	.00970	.02200	.00900	.00970	-.01300	.00000
3.001	-1.054	.01670	.02900	.03300	.03600	.01240	.00300	.01080
3.001	.008	.00000	.00970	.02200	.01800	.00970	-.00400	.00000
3.001	1.087	.01670	.01930	.03300	.02700	.00270	-.00600	.00000
3.001	2.137	.00000	.00970	.01100	.01800	.00970	.00700	.00000
3.001	3.188	.01670	.01930	.04400	.02700	.00270	-.01700	.00000
3.001	4.258	.01670	.01930	.02200	.02700	.00270	.00500	.00000
3.001	6.366	.00000	.00000	.01100	.00900	.00000	-.00200	.00000
3.001	10.507	.00830	.00000	.02200	.00900	-.00830	-.01300	-.01250
	GRADIENT	.00079	.00015	.00103	.00085	-.00063	-.00019	-.00085

AMES 118-1-87 OA145C 01 (D2H007) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 151/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.498	-6.538	.01670	.02900	.03300	.04500	.01240	.01200	.03250
3.498	-4.413	.05000	.03870	.04400	.05400	-.01130	.01000	.04340
3.498	-2.273	.03330	.02900	.02200	.03600	-.00430	.01400	.03250
3.498	-1.186	.04170	.03870	.04400	.04500	-.00300	.00100	.03250
3.498	-.125	.03330	.02900	.02200	.03600	-.00430	.01400	.02170
3.498	.970	.00830	.00000	.00000	.00900	-.00830	.00900	.00000
3.498	2.035	.01670	.00970	.01100	.01900	-.00700	.00700	.00000
3.498	3.103	.02500	.00970	.01100	.02700	-.01530	.01600	.00000
3.498	4.182	.01670	.00970	.01100	.02700	-.00700	.01600	.01080
3.498	6.302	.04170	.03870	.03300	.04500	-.00300	.01200	.02170
	GRADIENT	-.00391	-.00422	-.00423	-.00361	-.00031	.00062	-.00524

AMES 118-1-87 OA145C 01 (D2H008) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	3.250		

RUN NO. 14/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
2.493	-6.620	.01670	.02900	.00000	.01800	.01240	.01800	.02170
2.493	-4.514	.01670	.04840	.03300	.04500	.03170	.01200	.03250
2.493	-3.430	.02500	.04840	.03300	.04500	.02340	.01200	.02170
2.493	-2.349	.02500	.03870	.02200	.03600	.01370	.01400	.01080
2.493	-1.293	.01670	.03870	.02200	.03600	.02200	.01400	.01080
2.493	-.215	.01670	.03870	.01100	.02700	.02200	.01600	.00000
2.493	.871	.02500	.04840	.02200	.03600	.02340	.01400	.00000
2.493	1.960	.02500	.03870	.02200	.02700	.01370	.00500	.00000
2.493	3.033	.02500	.03870	.02200	.02700	.01370	.00500	-.01250
2.493	4.109	.02500	.03870	.01100	.02700	.01370	.01600	-.01250
2.493	6.241	.01670	.02900	.01100	.01800	.01240	.00700	-.02500
	GRADIENT	.00064	-.00090	-.00187	-.00223	-.00154	-.00036	-.00487

AMES 118-1-87 OA145C 01 (D2H009) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 4.000

RUN NO. 18/ 0 RN/L = 4.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
2.493	-6.679	.01670	.03870	.01100	.02700	.02200	.01600	.00000
2.493	-4.543	.02500	.04840	.02200	.03600	.02340	.01400	.01080
2.493	-3.461	.01670	.03870	.01100	.03600	.02200	.02500	.00000
2.493	-2.376	.04170	.04840	.03300	.04500	.00670	.01200	.00000
2.493	-1.289	.00830	.02900	.00000	.01800	.02070	.01800	-.02500
2.493	-.225	.03330	.03870	.01100	.03600	.00540	.02500	-.01250
2.493	2.002	.05000	.03870	.02200	.04500	-.01130	.02300	-.01250
2.493	4.134	.05000	.04840	.03300	.05400	-.00160	.02100	-.03750
2.493	6.267	.04170	.04840	.02200	.05400	.00670	.03200	-.05000
	GRADIENT	.00361	.00003	.00125	.00194	-.00358	.00069	-.00456

AMES 118-1-87 OA145C 01 (D2H010) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 31/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
2.493	-6.536	.01670	.00000	.03300	.00900	-.01670	-.02400	.03250
2.493	-4.400	.01670	.00970	.03300	.01800	-.00700	-.01500	.03250
2.493	-2.278	.01670	.00970	.03300	.01800	-.00700	-.01500	.03250
2.493	-1.212	.02500	.00970	.04400	.02700	-.01530	-.01700	.04340
2.493	-.137	.03330	.01930	.05500	.03600	-.01400	-.01900	.04340
2.493	.947	.01670	.00970	.02200	.00900	-.00700	-.01300	.03250
2.493	2.005	.01670	.01930	.03300	.02700	.00270	-.00600	.03250
2.493	3.061	.02500	.01930	.03300	.02700	-.00570	-.00600	.03250
2.493	4.092	.01670	.00000	.02200	.01800	-.01670	.00400	.02170
2.493	6.187	.01670	.01930	.03300	.02700	.00270	-.00600	.02170
	GRADIENT	.00008	.00005	-.00132	.00025	-.00003	.00157	-.00109

AMES 118-1-87 OA145C 01 (D2H010) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 25/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-6.407	.01670	.01930	.03300	.01800	.00270	-.01500	.03250
3.001	-4.290	.00830	.00000	.00000	.00900	-.00830	.00900	.02170
3.001	-3.214	.00830	.00970	.02200	.01800	.00130	-.00400	.03250
3.001	-2.194	.00830	.00000	.01100	.01800	-.00830	.00700	.03250
3.001	-1.124	.00830	.01930	.03300	.02700	.01100	-.00600	.04340
3.001	-.068	.00830	.00970	.03300	.01800	.00130	-.01500	.03250
3.001	1.024	.01670	.00970	.01100	.01800	-.00700	.00700	.02170
3.001	2.081	.01670	.00970	.02200	.01800	-.00700	-.00400	.03250
3.001	3.153	.00830	.00000	.01100	.00900	-.00830	-.00200	.01080
3.001	4.215	.02500	.01930	.03300	.02700	-.00570	-.00600	.03250
3.001	6.309	.00830	.00970	.01100	.01800	.00130	.00700	.02170
3.001	10.520	.01670	.00970	.02200	.01800	-.00700	-.00400	.02170
	GRADIENT	.00144	.00091	.00154	.00056	-.00053	-.00098	-.00069

RUN NO. 152/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.498	-6.474	.03330	.02900	.03300	.04500	-.00430	.01200	.02170
3.498	-4.365	.05000	.03870	.04400	.05400	-.01130	.01000	.03250
3.498	-2.213	.05830	.04840	.05500	.06300	-.01000	.00800	.04340
3.498	-1.151	.03330	.02900	.02200	.03600	-.00430	.01400	.02170
3.498	-.062	.04170	.03870	.04400	.05400	-.00300	.01000	.03250
3.498	1.049	.05000	.03870	.04400	.05400	-.01130	.01000	.03250
3.498	2.097	.00000	.00000	-.01000	.00000	.00000	.01000	.00000
3.498	3.144	.00830	.00000	.00000	.00900	-.00830	.00900	.00000
3.498	4.226	.04170	.03870	.03300	.04500	-.00300	.01200	.02170
3.498	6.273	.02500	.02900	.02200	.03600	.00400	.01400	.01080
	GRADIENT	-.00399	-.00324	-.00445	-.00438	.00075	.00007	-.00351

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 28/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
2.493	.449	.02500	.02900	.03300	.03600	.00400	.00300	.03250
2.493	2.102	.00000	.00970	.01100	.00900	.00970	-.00200	.01080
2.493	2.603	.00830	.01930	.01100	.01800	.01100	.00700	.03250
2.493	5.065	.00830	.00970	.00000	.00900	.00130	.00900	.01080
2.493	7.663	.01670	.03870	.03300	.02700	.02200	-.00600	.03250
2.493	10.286	.00830	.02900	.03300	.02700	.02070	-.00600	.03250
2.493	12.363	.01670	.02900	.04400	.03600	.01240	-.00800	.03250
2.493	14.359	.00000	.00970	.02200	.01800	.00970	-.00400	.02170
2.493	15.381	.00830	.01930	.02200	.01800	.01100	-.00400	.02170
2.493	16.347	.00000	.00970	.00000	.00900	.00970	.00900	.01080
2.493	18.393	.00830	.01930	.02200	.02700	.01100	.00500	.02170
2.493	20.491	.00000	.00970	.01100	.00900	.00970	-.00200	.02170
2.493	22.876	.00000	.00970	.01100	.01800	.00970	.00700	.02170
2.493	25.624	.00830	.00970	.01100	.01800	.00130	.00700	.03250
	GRADIENT	-.00959	-.00629	-.01098	-.01035	.00330	.00064	-.00328

RUN NO. 26/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	.411	.00000	.01930	.04400	.01800	.01930	-.02600	.02170
3.001	1.923	.01670	.01930	.03300	.02700	.00270	-.00600	.02170
3.001	3.948	.00830	.00970	.02200	.00900	.00130	-.01300	.01080
3.001	5.979	.02500	.01930	.03300	.02700	-.00570	-.00600	.02170
3.001	8.028	.00830	.00000	.01100	.00900	-.00830	-.00200	.01080
3.001	10.090	.02500	.02900	.05500	.02700	.00400	-.02800	.03250
3.001	12.178	.00000	.01930	.04400	.02700	.01930	-.01700	.03250
3.001	14.087	.00000	.00970	.03300	.01800	.00970	-.01500	.02170
3.001	15.147	.02500	.02900	.05500	.02700	.00400	-.02800	.03250
3.001	16.099	.00830	.00000	.02200	.00900	-.00830	-.01300	.01080
3.001	18.142	.00830	.00970	.03300	.02700	.00130	-.00600	.02170
3.001	20.243	.00830	.01930	.03300	.02700	.01100	-.00600	.02170
3.001	22.219	.00000	.00000	.02200	.00900	.00000	-.01300	.01080
3.001	26.329	.00000	.00000	.02200	.00900	.00000	-.01300	.01080
3.001	29.557	.00830	.00970	.02200	.01800	.00130	-.00400	.02170
	GRADIENT	.00199	-.00283	-.00618	-.00289	-.00485	.00328	-.00321

AMES 118-1-87 OA145C 01 (D2H011) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 86/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.498	.077	.02500	.01930	.01100	.04500	-.00570	.03400	.03250
3.498	2.252	.02500	.00970	.01100	.04500	-.01530	.03400	.03250
3.498	8.729	.01670	.01930	.02200	.04500	.00270	.02300	.03250
3.498	9.877	.00000	.00970	.01100	.02700	.00970	.01600	.02170
3.498	11.899	.00000	.02900	.03300	.05400	.02900	.02100	.04340
3.498	13.874	.02500	.03870	.04400	.07200	.01370	.02800	.04340
3.498	14.910	.02500	.02900	.06600	.05400	.00400	-.01200	.04340
3.498	15.874	.02500	.03870	.05500	.06300	.01370	.00800	.04340
3.498	17.922	.01670	.02900	.04400	.05400	.01240	.01000	.03250
3.498	19.999	.02500	.02900	.04400	.06300	.00400	.01900	.04340
3.498	22.477	.00000	.00970	.02200	.03600	.00970	.01400	.02170
3.498	25.146	-.01080	.00970	.01100	.03600	.02050	.02500	.02170
	GRADIENT	.00000	-.00441	.00000	.00000	-.00441	.00000	-.00000

AMES 118-1-87 OA145C 01 (D2H012) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	5.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 41/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.182	5.01030	5.01290	5.03480	5.04690	.00260	.01210	.03250
3.000	1.965	5.01030	5.01290	5.04560	5.04690	.00260	.00130	.03250
3.000	6.010	5.00100	5.01290	5.03480	5.04690	.01200	.01210	.03250
3.000	8.005	4.99160	5.00360	5.01310	5.02820	.01200	.01520	.02170
3.000	10.062	4.99160	5.00360	5.02390	5.02820	.01200	.00430	.02170
3.000	12.123	4.99160	5.00360	5.02390	5.02820	.01200	.00430	.02170
3.000	14.119	5.00100	5.02230	5.04560	5.04690	.02130	.00130	.03250
3.000	15.155	4.99160	5.01290	5.03480	5.03760	.02130	.00280	.02170
3.000	16.146	4.99160	5.00360	5.02390	5.03760	.01200	.01360	.02170
3.000	18.170	4.98230	5.00360	5.02390	5.02820	.02130	.00430	.02170
3.000	20.229	4.99160	5.01290	5.03480	5.03760	.02130	.00280	.03250
3.000	22.213	4.99160	5.00360	5.01310	5.02820	.01200	.01520	.02170
3.000	26.328	4.97300	5.00360	5.03480	5.02820	.03060	-.00650	.02170
3.000	29.806	4.99160	5.01290	5.02390	5.03760	.02130	.01360	.03250
	GRADIENT	.00000	.00000	.00606	.00000	.00000	-.00606	.00000

AMES 118-1-87 OA145C 01 (D2H013) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 40/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.182	10.03100	10.00300	10.02000	10.02200	-.02770	.00170	.01080
3.000	2.411	10.04000	10.00300	10.02800	10.03100	-.03730	.00290	.02170
3.000	4.933	10.02100	10.00300	10.02000	10.02200	-.01800	.00170	.01080
3.000	10.065	10.00200	10.00300	10.02000	10.03100	.00130	.01140	.02170
3.000	12.117	9.99200	9.99500	10.01100	10.01200	.00300	.00060	.01080
3.000	14.124	10.00200	10.00300	10.02000	10.02200	.00130	.00170	.02170
3.000	15.160	10.02100	10.00300	10.01100	10.02200	-.01800	.01020	.01080
3.000	16.146	10.00200	10.00300	10.01100	10.02200	.00130	.01020	.02170
3.000	18.170	10.00200	10.00300	10.01100	10.02200	.00130	.01020	.02170
3.000	20.226	9.98240	9.99500	10.00300	10.02200	.01260	.01870	.01080
3.000	22.628	10.02100	9.99500	10.02000	10.02200	-.02600	.00170	.01080
3.000	25.394	9.98240	9.99500	10.02000	10.03100	.01260	.01140	.01080
	GRADIENT	-.00222	-.00000	-.00007	-.00008	.00216	-.00001	-.00009

RUN NO. 186/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.498	4.792	10.01100	10.01100	10.01100	10.03100	-.00040	.01990	.00000
3.498	7.315	10.03100	10.01900	10.02000	10.05100	-.01170	.03070	.01080
3.498	9.766	10.03100	10.01900	10.02000	10.05100	-.01170	.03070	.01080
3.498	11.811	10.02100	10.01100	10.01100	10.04100	-.01000	.02960	.00000
3.498	13.830	10.01100	10.01100	10.01100	10.03100	-.00040	.01990	.00000
3.498	14.856	10.03100	10.02700	10.02000	10.05100	-.00370	.03070	.01080
3.498	15.885	9.98240	9.98700	9.98600	10.00200	.00460	.01640	-.01250
3.498	17.854	10.01100	10.01100	10.01100	10.04100	-.00040	.02960	.00000
3.498	19.953	10.01100	10.01100	10.01100	10.03100	-.00040	.01990	.00000
3.498	22.428	10.02100	10.01900	10.02000	10.05100	-.00200	.03070	.01080
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (D2H014) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	20.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 39/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.181	20.02900	19.97000	20.02400	20.05200	-.05910	.02770	.02170
3.000	2.440	20.02900	19.97000	20.02400	20.04300	-.05910	.01850	.01080
3.000	4.954	19.99000	19.97000	20.02400	20.04300	-.01980	.01850	.01080
3.000	7.465	20.01900	19.98000	20.04500	20.06100	-.03930	.01550	.03250
3.000	10.066	19.99000	19.96000	20.01300	20.04300	-.02980	.02920	.01080
3.000	12.139	20.04900	19.98000	20.03500	20.06100	-.06880	.02620	.02170
3.000	14.123	20.02900	19.96000	20.02400	20.04300	-.06910	.01850	.01080
3.000	15.156	20.01900	19.97000	20.01300	20.04300	-.04930	.02920	.01080
3.000	16.146	20.04900	19.98000	20.04500	20.06100	-.06880	.01550	.03250
3.000	18.177	20.01900	19.96000	20.02400	20.04300	-.05930	.01850	.01080
3.000	20.228	20.03900	19.98000	20.03500	20.05200	-.05890	.01700	.03250
3.000	22.618	20.04900	19.98000	20.05600	20.06100	-.06880	.00480	.03250
3.000	25.389	20.01900	19.96000	19.99200	20.04300	-.05930	.05050	.01080
	GRADIENT	-.00831	-.00000	-.00000	-.00185	.00837	-.00189	-.00224

AMES 11B-1-87 OA145C 01 (D2H015) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-5.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 45/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	.188	-4.94780	-4.92100	-4.93000	-4.93350	.02680	-.00350	.01080
3.001	1.871	-4.96650	-4.93970	-4.98250	-4.95590	.02680	.02660	.00000
3.001	3.991	-4.91980	-4.91170	-4.95100	-4.92240	.00810	.02860	.01080
3.001	6.076	-4.99450	-4.93040	-4.94050	-4.93350	.06410	.00700	.00000
3.001	8.063	-4.99450	-4.93040	-4.94050	-4.94470	.06410	-.00420	.00000
3.001	10.101	-4.99450	-4.94900	-4.96150	-4.95590	.04550	.00560	.00000
3.001	12.167	-4.96650	-4.92100	-4.94050	-4.93350	.04550	.00700	.01080
3.001	14.173	-4.92910	-4.93970	-4.96150	-4.94470	-.01060	.01680	.00000
3.001	15.211	-4.91980	-4.93040	-4.95100	-4.94470	-.01060	.00630	.00000
3.001	16.191	-4.91980	-4.93040	-4.91950	-4.93350	-.01060	-.01400	.01080
3.001	18.229	-4.99450	-4.93040	-4.91950	-4.93350	.06410	-.01400	.01080
3.001	20.282	-4.97580	-4.93040	-4.93000	-4.93350	.04550	-.00350	.00000
3.001	22.267	-5.02250	-4.94900	-4.94050	-4.94470	.07350	-.00420	.00000
3.001	26.348	-4.91980	-4.94900	-4.98250	-4.94470	-.02920	.03780	.00000
3.001	29.798	-4.94780	-4.93970	-4.96150	-4.94470	.00810	.01680	.00000
	GRADIENT	.00799	.00290	-.00465	.00347	-.00508	.00812	.00022

AMES 118-1-87 OA145C 01 (D2H018) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 46/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	.189	-9.94350	-9.93600	-9.97600	-9.92900	.00750	.04700	.01080
3.001	2.462	-9.92250	-9.91700	-9.95700	-9.90670	.00550	.05030	.02170
3.001	5.024	-9.92250	-9.91700	-9.96650	-9.90670	.00550	.05980	.01080
3.001	7.613	-9.95400	-9.95500	-9.99500	-9.94020	-.00100	.05480	.00000
3.001	10.117	-9.93300	-9.93600	-9.97600	-9.92900	-.00300	.04700	.01080
3.001	12.158	-9.94350	-9.94550	-9.98550	-9.92900	-.00200	.05650	.00000
3.001	14.171	-9.93300	-9.93600	-9.96650	-9.91780	-.00300	.04870	.02170
3.001	15.226	-9.94350	-9.93600	-9.97600	-9.92900	.00750	.04700	.01080
3.001	16.195	-9.94350	-9.94550	-9.96650	-9.92900	-.00200	.03750	.01080
3.001	18.219	-9.93300	-9.93600	-9.96650	-9.91780	-.00300	.04870	.02170
3.001	20.285	-9.93300	-9.92650	-9.96650	-9.91780	.00650	.04870	.02170
3.001	22.765	-9.95400	-9.95500	-9.97600	-9.94020	-.00100	.03580	.00000
3.001	25.372	-9.95400	-9.95500	-9.98550	-9.95130	-.00100	.03420	.00000
	GRADIENT	.00924	.00836	.00836	.00981	-.00088	.00145	.00479

RUN NO. 185/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.498	4.799	-9.93300	-9.93600	-9.96650	-9.92900	-.00300	.03750	.01080
3.498	7.311	-9.92250	-9.92650	-9.96650	-9.92900	-.00400	.03750	.02170
3.498	9.751	-9.94350	-9.94550	-9.98550	-9.95130	-.00200	.03420	.00000
3.498	11.805	-9.93300	-9.93600	-9.97600	-9.94020	-.00300	.03580	.01080
3.498	13.823	-9.92250	-9.92650	-9.96650	-9.92900	-.00400	.03750	.02170
3.498	14.872	-9.93300	-9.93600	-9.97600	-9.94020	-.00300	.03580	.01080
3.498	15.854	-9.94350	-9.94550	-9.97600	-9.94020	-.00200	.03580	.01080
3.498	17.853	-9.93300	-9.94550	-9.97600	-9.94020	-.01250	.03580	.01080
3.498	19.909	-9.94350	-9.95500	-9.98550	-9.95130	-.01150	.03420	.00000
3.498	22.444	-9.93300	-9.93600	-9.96650	-9.94020	-.00300	.02630	.01080
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (D2H017) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-20.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 47/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	.180	-19.95300	-19.93200	-20.04900	-19.96900	.02100	.08050	.00000
3.001	2.531	-19.95300	-19.93200	-20.04900	-19.96900	.02100	.08050	.00000
3.001	5.058	-19.95300	-19.94200	-20.05900	-19.96900	.01050	.09020	.00000
3.001	7.325	-19.96300	-19.92100	-20.05900	-19.96900	.04150	.09020	.00000
3.001	10.092	-19.96300	-19.94200	-20.04900	-19.96900	.02050	.08050	.00000
3.001	12.152	-19.96300	-19.93200	-20.05900	-19.96900	.03100	.09020	.00000
3.001	14.166	-19.96300	-19.93200	-20.05900	-19.95900	.03100	.09990	.00000
3.001	15.201	-19.96300	-19.91100	-20.05900	-19.94900	.05200	.10950	.01080
3.001	16.201	-19.97300	-19.95300	-20.00100	-19.97800	.02000	.02250	.00000
3.001	18.233	-19.94300	-19.91100	-19.98200	-19.95900	.03200	.02250	.01080
3.001	20.272	-19.94300	-19.91100	-19.98200	-19.95900	.03200	.02250	.00000
3.001	22.758	-19.93300	-19.90000	-19.98200	-19.94900	.03250	.03220	.01080
3.001	25.347	-19.95300	-19.95300	-20.01100	-19.97800	.00000	.03220	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 11B-1-87 OA145C 01 (D2H018) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-35.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 48/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	.183	-34.97700	-34.95100	-35.00300	-34.98000	.02570	.02370	-.01250
3.001	2.546	-34.97700	-34.94000	-34.99300	-34.97000	.03620	.02230	.00000
3.001	5.026	-34.96500	-34.95100	-34.99300	-34.97000	.01400	.02230	.00000
3.001	7.610	-34.95300	-34.91900	-34.98200	-34.96100	.03380	.02100	.00000
3.001	10.092	-34.97700	-34.95100	-35.00300	-34.98000	.02570	.02370	.00000
3.001	12.144	-34.95300	-34.91900	-34.97100	-34.96100	.03380	.01030	.00000
3.001	14.159	-34.95300	-34.91900	-34.98200	-34.96100	.03380	.02100	.00000
3.001	15.197	-34.96500	-34.93000	-34.98200	-34.96100	.03500	.02100	.00000
3.001	16.189	-34.95300	-34.91900	-34.97100	-34.95200	.03380	.01970	.01080
3.001	18.203	-34.95300	-34.91900	-34.96100	-34.96100	.03380	-.00030	.00000
3.001	20.276	-34.96500	-34.90900	-34.97100	-34.95200	.05600	.01970	.00000
3.001	22.801	-34.97700	-34.94000	-34.99300	-34.97000	.03620	.02230	.00000
3.001	25.519	-34.97700	-34.95100	-34.98200	-34.97000	.02570	.01170	.00000
	GRADIENT	.00000	.00465	.00423	.00423	.00444	-.00059	.00529

AMES 118-1-87 OA145C 01 (D2H019) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 38/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-14.961	-14.95200	-14.95700	-14.97100	-14.96200	-.00510	.00870	.01080
3.000	-12.946	-12.94100	-12.94700	-12.96500	-12.93100	-.00600	.03380	.01080
3.000	-9.926	-9.91200	-9.92650	-9.95700	-9.90670	-.01450	.05030	.03250
3.000	-7.940	-7.92950	-7.94070	-7.95700	-7.93290	-.01120	.02400	.01080
3.000	-4.945	-4.95720	-4.93970	-4.95100	-4.93350	.01750	.01750	.01080
3.000	-3.921	-3.92760	-3.90370	-3.92530	-3.92900	.02390	-.00370	.02170
3.000	-1.934	-1.93160	-1.93000	-1.94000	-1.93590	.00160	.00410	.02170
3.000	.040	.04170	.02900	.04400	.04500	-.01260	.00100	.02170
3.000	2.023	2.05030	2.01000	2.00510	2.02790	-.04030	.02280	.00000
3.000	4.024	4.00350	4.02310	4.02650	4.04260	.01960	.01610	.03250
3.000	5.026	5.01030	5.02230	5.02390	5.04690	.01200	.02300	.03250
3.000	8.016	8.00480	7.99700	8.01370	8.04850	-.00780	.03480	.02170
3.000	10.024	10.02100	10.00300	10.01100	10.06000	-.01800	.04890	.02170
	GRADIENT	1.00074	.99776	1.00011	1.00138	-.00297	.00127	.00060

AMES 11ft-1-87 OA145C 01 (D2H020) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 32/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
2.493	-14.938	-14.94100	-14.91800	-14.94000	-14.95200	.02300	-.01180	.03250
2.493	-12.961	-12.96100	-12.95700	-12.97500	-12.95200	.00420	.02260	.02170
2.493	-9.941	-9.93300	-9.96450	-9.93800	-9.92900	-.03150	.00900	.02170
2.493	-7.960	-7.95850	-7.95000	-7.95700	-7.97350	.00850	-.01660	.01080
2.493	-4.920	-4.92910	-4.91170	-4.93000	-4.91120	.01740	.01880	.03250
2.493	-3.946	-3.94490	-3.94500	-3.94660	-3.94700	-.00010	-.00030	.01080
2.493	-1.958	-1.94930	-1.95000	-1.97000	-1.96200	-.00070	.00800	.01080
2.493	.028	.04170	.01930	.02200	.02700	-.02230	.00500	.02170
2.493	2.008	2.04040	2.00000	1.98480	2.00820	-.04040	.02340	.01080
2.493	4.015	4.01400	4.01380	4.00880	4.02420	-.00020	.01540	.03250
2.493	5.036	5.02900	5.02230	5.04560	5.04690	-.00670	.00130	.04340
2.493	8.028	8.02050	7.99700	8.02330	8.07150	-.02350	.04820	.03250
2.493	10.016	10.01100	10.01100	10.01100	10.03100	-.00040	.01990	.02170
	GRADIENT	1.00197	.99858	.99923	1.00021	-.00339	.00097	.00040

RUN NO. 33/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-14.966	-14.96300	-14.95700	-14.97100	-14.97300	.00600	-.00170	.02170
3.000	-12.964	-12.96100	-12.95700	-12.96500	-12.97300	.00420	-.00820	.02170
3.000	-9.946	-9.94350	-9.94550	-9.95700	-9.94020	-.00200	.01680	.02170
3.000	-7.935	-7.93910	-7.92200	-7.93500	-7.94310	.01710	-.00810	.04340
3.000	-4.933	-4.94780	-4.92100	-4.95100	-4.91120	.02680	.03980	.04340
3.000	-3.938	-3.94490	-3.93470	-3.93600	-3.93800	.01020	-.00200	.03250
3.000	-1.958	-1.95820	-1.95000	-1.97000	-1.95330	.00820	.01670	.01080
3.000	.041	.03330	.03870	.05500	.03600	.00540	-.01900	.04340
3.000	2.023	2.05030	2.01000	2.00510	2.02790	-.04030	.02280	.02170
3.000	4.001	3.99300	3.99510	4.00000	4.01510	.00210	.01510	.03250
3.000	5.002	4.98230	5.00360	5.00220	5.01890	.02130	.01670	.03250
3.000	8.018	8.00480	8.00800	8.02330	8.03700	.00320	.01370	.04340
3.000	10.026	10.03100	10.00300	10.03700	10.03100	-.02770	-.00560	.03250
	GRADIENT	1.00192	.99773	1.00064	.99969	-.00419	-.00095	-.00069

AMES 11B-1-87 OA145C 01 (D2H020) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 84/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.498	-14.935	-14.91900	-14.92800	-14.96000	-14.93100	-.00920	.02920	.03250
3.498	-12.951	-12.95100	-12.95700	-12.95600	-12.94200	-.00570	.01360	.03250
3.498	-9.941	-9.92250	-9.93600	-9.97600	-9.92900	-.01350	.04700	.03250
3.498	-7.942	-7.94880	-7.92200	-7.94600	-7.95320	.02680	-.00720	.03250
3.498	-4.943	-4.93850	-4.93970	-4.96150	-4.93350	-.00120	.02800	.03250
3.498	-3.932	-3.92760	-3.92440	-3.94660	-3.92900	.00320	.01770	.03250
3.498	-1.925	-1.93160	-1.92000	-1.94000	-1.90980	.01160	.03020	.03250
3.498	.029	.01670	.02900	.04400	.02700	.01240	-.01700	.03250
3.498	2.043	2.07980	2.03000	2.01530	2.04760	-.04980	.03230	.04340
3.498	4.024	4.02450	4.01380	4.03530	4.02420	-.01070	-.01110	.04340
3.498	5.039	5.01030	5.03160	5.05640	5.05620	.02130	-.00020	.05420
3.498	8.028	8.01260	8.04100	8.02330	8.03700	.02840	.01370	.04340
3.498	10.019	10.01100	10.00300	10.02800	10.03100	-.00840	.00290	.04340
	GRADIENT	1.00112	.99779	1.00206	.99904	-.00333	-.00303	.00138

AMES 118-1-87 OA145C 01 (D2H021) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 37/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-14.945	-14.93000	-14.93800	-14.97100	-14.94200	-.00780	.02930	.01080
3.000	-12.959	-12.95100	-12.95700	-12.96500	-12.96300	-.00570	.00230	.01080
3.000	-9.943	-9.93300	-9.94550	-9.97600	-9.91780	-.01250	.05820	.01080
3.000	-7.937	-7.94880	-7.92200	-7.93500	-7.94310	.02680	-.00810	.02170
3.000	-4.935	-4.93850	-4.93970	-4.93000	-4.93350	-.00120	-.00350	.01080
3.000	-3.943	-3.95360	-3.93470	-3.94660	-3.93800	.01890	.00870	.00000
3.000	-1.942	-1.93160	-1.94000	-1.95000	-1.94460	-.00840	.00540	.01080
3.000	.015	.02500	.00970	.00000	.02700	-.01530	.02700	.00000
3.000	2.023	2.05030	2.01000	1.99500	2.03780	-.04030	.04280	.01080
3.000	4.017	4.00350	4.02310	4.00880	4.03340	.01960	.02460	.02170
3.000	5.011	5.00100	5.00360	5.00220	5.03760	.00260	.03530	.02170
3.000	8.036	8.02050	8.00800	8.04220	8.07150	-.01250	.02930	.02170
3.000	10.019	10.01100	10.00300	10.02000	10.04100	-.00840	.02110	.01080
	GRADIENT	1.00087	.99960	.99777	1.00179	-.00127	.00402	.00129

AMES 118-1-87 OA145C 01 (D2H022) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 93/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.247	10.01100	10.00300	10.01100	10.03100	-.00840	.01990	.02170
3.000	-4.169	10.03100	10.01900	10.02800	10.05100	-.01170	.02220	.03250
3.000	-2.037	10.03100	10.01900	10.02000	10.05100	-.01170	.03070	.03250
3.000	-.984	10.03100	10.01100	10.02000	10.04100	-.01970	.02110	.03250
3.000	.089	10.06000	10.03500	10.04500	10.07000	-.02470	.02460	.05420
3.000	1.131	10.03100	10.01900	10.02800	10.05100	-.01170	.02220	.03250
3.000	2.175	10.03100	10.01900	10.02800	10.05100	-.01170	.02220	.03250
3.000	3.212	10.05000	10.02700	10.03700	10.06000	-.02300	.02340	.04340
3.000	4.242	10.02100	10.01100	10.02000	10.04100	-.01000	.02110	.02170
3.000	6.401	10.03100	10.01900	10.02800	10.05100	-.01170	.02220	.03250
	GRADIENT	.00007	-.00005	.00036	-.00010	-.00015	-.00039	-.00034

AMES 118-1-87 OA145C 01 (D2H0P3) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 92/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.344	10.02100	10.01100	10.01100	10.04100	-.01000	.02960	.03250
3.000	-4.241	10.00200	10.00300	10.00300	10.02200	.00130	.01870	.02170
3.000	-2.096	10.04000	10.01900	10.02800	10.05100	-.02130	.02220	.04340
3.000	-1.075	10.04000	10.01900	10.02800	10.05100	-.02130	.02220	.04340
3.000	-.013	10.00200	10.00300	10.00300	10.02200	.00130	.01870	.01080
3.000	1.058	10.02100	10.01100	10.02000	10.04100	-.01000	.02110	.03250
3.000	2.115	10.03100	10.01900	10.02800	10.05100	-.01170	.02220	.03250
3.000	3.164	10.04000	10.02700	10.02800	10.06000	-.01330	.03190	.04340
3.000	4.232	10.06900	10.04300	10.05400	10.08000	-.02630	.02570	.05420
3.000	6.364	10.01100	10.00300	10.01100	10.03100	-.00840	.01990	.01080
	GRADIENT	.00492	.00340	.00395	.00494	-.00156	.00103	.00232

AMES 118-1-87 OA145C 01 (D2H024) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 89/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.371	10.02100	10.00300	10.02000	10.03100	-.01800	.01140	.04340
3.000	-4.257	10.03100	10.01100	10.02000	10.05100	-.01970	.03070	.05420
3.000	-2.183	10.00200	9.98700	9.99450	10.02200	-.01470	.02720	.02170
3.000	-1.117	10.01100	9.99500	10.00300	10.02200	-.01640	.01870	.03250
3.000	-.068	10.04000	10.01100	10.02800	10.06000	-.02930	.03190	.05420
3.000	1.018	10.02100	10.00300	10.00300	10.03100	-.01800	.02840	.03250
3.000	2.096	10.00200	9.98700	9.97750	10.01200	-.01470	.03460	.01080
3.000	3.143	10.03100	10.00300	10.00300	10.03100	-.02770	.02840	.03250
3.000	4.206	10.04000	10.01100	10.02000	10.05100	-.02930	.03070	.05420
3.000	6.332	10.03100	10.00300	10.00300	10.04100	-.02770	.03810	.03250
	GRADIENT	.00137	.00027	-.00082	-.00044	-.00112	.00044	-.00064

AMES 118-1-87 OA145C 01 (D2H025) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 94/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.264	-9.94350	-9.93600	-9.95700	-9.90670	.00750	.05030	.03250
3.000	-2.042	-9.94350	-9.93600	-9.95700	-9.90670	.00750	.05030	.03250
3.000	-.989	-9.93300	-9.92650	-9.93800	-9.89550	.00650	.04250	.04340
3.000	.076	-9.97500	-9.97400	-9.98550	-9.94020	.00100	.04530	.00000
3.000	1.119	-9.94350	-9.94550	-9.95700	-9.90670	-.00200	.05030	.03250
3.000	2.171	-9.95400	-9.94550	-9.95700	-9.91780	.00850	.03920	.02170
3.000	3.222	-9.96450	-9.96450	-9.97600	-9.92900	.00000	.04700	.01080
3.000	4.247	-9.97500	-9.97400	-9.98550	-9.94020	.00100	.04530	.00000
3.000	6.400	-9.94350	-9.94550	-9.95700	-9.90670	-.00200	.05030	.02170
	GRADIENT	-.00465	-.00550	-.00453	-.00494	-.00085	-.00041	-.00480

AMES 118-1-87 OA145C 01 (D2H026) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 91/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.338	-9.94350	-9.94550	-9.94750	-9.91780	-.00200	.02970	.03250
3.000	-4.253	-9.93300	-9.93600	-9.93800	-9.90670	-.00300	.03130	.05420
3.000	-2.141	-9.94350	-9.94550	-9.94750	-9.90670	-.00200	.04080	.04340
3.000	-1.081	-9.93300	-9.92650	-9.93800	-9.89550	.00650	.04250	.05420
3.000	-.004	-9.99600	-10.00200	-9.99500	-9.97360	-.00650	.02140	.00000
3.000	1.076	-9.95400	-9.95500	-9.95700	-9.91780	-.00100	.03920	.03250
3.000	2.133	-9.97500	-9.97400	-9.97600	-9.94020	.00100	.03580	.02170
3.000	3.210	-9.92250	-9.91700	-9.92850	-9.88440	.00550	.04410	.05420
3.000	4.246	-9.94350	-9.94550	-9.94750	-9.91780	-.00200	.02970	.03250
3.000	6.359	-9.95400	-9.95500	-9.95700	-9.92900	-.00100	.02800	.02170
	GRADIENT	-.00081	-.00045	-.00073	-.00062	.00037	.00011	-.00186

AMES 118-1-87 OA145C 01 (D2H027) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO
SCALE =	.0500			

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 90/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.382	-9.95400	-9.95500	-9.95700	-9.94020	-.00100	.01680	.03250
3.000	-4.243	-9.93300	-9.93600	-9.93800	-9.90670	-.00300	.03130	.05420
3.000	-2.178	-9.96450	-9.96450	-9.96650	-9.94020	.00000	.02630	.02170
3.000	-1.114	-9.95400	-9.95500	-9.95700	-9.92900	-.00100	.02800	.03250
3.000	-.055	-9.93300	-9.93600	-9.94750	-9.90670	-.00300	.04080	.04340
3.000	1.012	-9.94350	-9.94550	-9.94750	-9.91780	-.00200	.02970	.04340
3.000	2.077	-9.94350	-9.94550	-9.94750	-9.91780	-.00200	.02970	.04340
3.000	3.150	-9.93300	-9.92650	-9.92850	-9.89550	.00650	.03300	.05420
3.000	4.219	-9.95400	-9.96450	-9.96650	-9.92900	-.01050	.03750	.02170
3.000	6.314	-9.94350	-9.95500	-9.95700	-9.91780	-.01150	.03920	.03250
	GRADIENT	.00009	-.00010	-.00003	.00065	-.00019	.00069	-.00058

AMES 118-1-87 OA145C 01 (D2H028) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 78/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-14.973	-14.95200	-14.97700	-14.99200	-14.97300	-.02480	.01930	.00000
3.001	-12.961	-12.96100	-12.97600	-12.95600	-12.95200	-.01480	.00310	.01080
3.001	-9.936	-9.92250	-9.93600	-9.96650	-9.91780	-.01350	.04870	.02170
3.001	-7.930	-7.91010	-7.92200	-7.94600	-7.94310	-.01190	.00290	.01080
3.001	-7.332	-14.93000	-14.93800	-14.95000	15.49100	-.00780	30.44100	.01080
3.001	-5.943	-5.93760	-5.91860	-5.94950	-5.96700	.01900	-.01750	.02170
3.001	-4.956	-4.96650	-4.94900	-4.95100	-4.95590	.01750	-.00490	.00000
3.001	-3.936	-3.93630	-3.92440	-3.93600	-3.94700	.01190	-.01100	.01080
3.001	-1.943	-1.94930	-1.94000	-1.94000	-1.94460	.00930	-.00460	.00000
3.001	.035	.04170	.03870	.02200	.03600	-.00300	.01400	.01080
3.001	2.036	2.07000	2.02000	2.01530	2.03780	-.05000	.02250	.01080
3.001	4.015	3.99300	4.01380	4.01770	4.03340	.02080	.01570	.01080
3.001	5.031	5.01030	5.02230	5.04560	5.04690	.01200	.00130	.02170
3.001	8.029	8.02830	8.00800	8.03300	8.04850	-.02030	.01550	.02170
3.001	10.025	10.01100	10.01100	10.02800	10.05100	-.00040	.02220	.01080
	GRADIENT	1.00087	.99814	.99874	1.00224	-.00273	.00350	.00095

AMES 118-1-87 OA145C 01 (D2H029) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 79/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-14.950	-14.94100	-14.95700	-14.96000	-14.94200	-.01630	.01880	.00000
3.001	-12.951	-12.95100	-12.95700	-12.95600	-12.94200	-.00570	.01360	.01080
3.001	-9.931	-9.93300	-9.92650	-9.94750	-9.91780	.00650	.02970	.01080
3.001	-7.939	-7.93910	-7.95000	-7.93500	-7.93290	-.01090	.00210	.01080
3.001	-4.941	-4.93850	-4.93040	-4.96150	-4.93350	.00810	.02800	.01080
3.001	-3.949	-3.95360	-3.94500	-3.95730	-3.93800	.00850	.01930	.00000
3.001	-1.941	-1.94050	-1.93000	-1.95000	-1.94460	.01050	.00540	.00000
3.001	-.449	.00830	-1.91000	.04400	.06300	-1.91830	.01900	.02170
3.001	.033	.03330	.01930	.03300	.04500	-.01400	.01200	.01080
3.001	2.041	2.07000	2.02000	2.02550	2.04760	-.05000	.02210	.02170
3.001	4.022	4.01400	4.02310	4.01770	4.03340	.00910	.01570	.02170
3.001	5.021	5.01960	5.01290	5.01310	5.03760	-.00670	.02450	.02170
3.001	8.020	8.02050	8.00800	8.01370	8.03700	-.01250	.02330	.01080
3.001	10.010	10.00200	9.99500	10.02000	10.02200	-.00670	.00170	.01080
	GRADIENT	1.00301	.99076	1.00340	1.00282	-.01224	-.00058	.00220

AMES 118-1-87 OA145C 01 (D2H030) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 80/ 0. RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-14.966	-14.95200	-14.96700	-14.98100	-14.96200	-.01500	.01920	.00000
3.001	-12.971	-12.97100	-12.96600	-12.99500	-12.95200	.00450	.04220	.00000
3.001	-9.934	-9.92250	-9.93600	-9.94750	-9.92900	-.01350	.01850	.03250
3.001	-7.935	-7.94880	-7.92200	-7.93500	-7.93290	.02680	.00210	.01080
3.001	-4.951	-4.95720	-4.93970	-4.95100	-4.95590	.01750	-.00490	.00000
3.001	-3.938	-3.94490	-3.92440	-3.93600	-3.94700	.02060	-.01100	.01080
3.001	-1.939	-1.93160	-1.94000	-1.94000	-1.94460	-.00840	-.00460	.01080
3.001	.043	.05000	.03870	.05500	.02700	-.01130	-.02800	.02170
3.001	2.038	2.06010	2.03000	2.02550	2.03780	-.03010	.01230	.02170
3.001	4.011	4.01400	4.01580	4.00000	4.01510	-.00020	.01510	.01080
3.001	5.031	5.01960	5.02230	5.04560	5.03760	.00260	-.00800	.02170
3.001	8.007	8.01260	7.99700	7.99440	8.02550	-.01560	.03110	.01080
3.001	10.028	10.04000	10.01100	10.02800	10.03100	-.02930	.00290	.02170
	GRADIENT	1.00203	.99833	.99863	1.00103	-.00371	.00239	.00141

AMES 118-1-87 OA145C 01 (D2H031) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 64/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-4.972	-4.96650	-4.93970	4.99140	4.99090	.02680	-.00050	.01080
3.001	-2.991	-2.98140	-2.91760	3.02500	3.03860	.06380	.01350	.03250
3.001	-1.978	-1.94930	-1.93000	2.00510	2.02790	.01930	.02280	.01080
3.001	-.979	-.92050	-.92000	1.04500	1.03000	.00050	-.01500	.03250
3.001	-.000	.02500	.00970	.00000	.03600	-.01530	.03600	.00000
3.001	.984	1.02200	1.01110	-.95000	-.95130	-.01080	-.00130	.00000
3.001	1.988	2.04040	2.00000	-1.95000	-1.96200	-.04040	-.01200	.01080
3.001	2.976	2.99700	3.01530	-2.94370	-2.94760	.01830	-.00390	.00000
3.001	4.982	5.01960	5.01290	-4.95100	-4.94470	-.00670	.00630	.01080
3.001	7.979	8.02830	8.00800	-7.93500	-7.94310	-.02030	-.00810	.01080
3.001	9.981	10.03100	10.01900	-9.95700	-9.91780	-.01170	.03920	.02170
	GRADIENT	1.00287	.99726	-.99945	-1.00041	-.00561	-.00096	-.00167

AMES 118-1-87 OA145C 01 (D2H032) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 34/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-4.978	-4.93850	-4.93970	5.01310	5.01890	-.00120	.00580	.03250
3.000	-2.983	-2.96170	-2.90690	3.01540	3.04820	.05480	.03280	.04340
3.000	-1.973	-1.94050	-1.92000	1.99500	2.03780	.02050	.04280	.03250
3.000	-.979	-.93140	-.93000	1.02300	1.03000	.00140	.00700	.04340
3.000	-.006	.02500	.00970	.02200	.03600	-.01530	.01400	.02170
3.000	.977	1.00100	.99350	-.97000	-.94220	-.00750	.02780	.02170
3.000	1.993	2.03060	2.00000	-1.97000	-1.97070	-.03060	-.00070	.01080
3.000	2.983	3.03700	3.03590	-2.92370	-2.93610	-.00110	-.01250	.03250
3.000	4.968	5.01960	5.02230	-4.91950	-4.91120	.00260	.00830	.03250
3.000	7.972	8.01260	7.99700	-7.94600	-7.93290	-.01560	.01310	.02170
3.000	9.980	10.02100	10.01100	-9.95700	-9.92900	-.01000	.02800	.03250
	GRADIENT	1.00190	.99856	-.99856	-1.00100	-.00335	-.00245	-.00126

AMES 118-1-87 OA145C 01 (D2H032) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 176/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.496	-4.982	-4.94780	-4.94900	5.00220	5.02820	-.00120	.02600	.02170
3.496	-2.985	-2.95190	-2.90690	3.03470	3.04820	.04490	.01350	.04340
3.496	-1.973	-1.94930	-1.92000	2.00510	2.01810	.02930	.01290	.02170
3.496	-.986	-.92050	-.93000	1.03400	1.06000	-.00950	.02600	.03250
3.496	.005	.03330	.03870	.03300	.01800	.00540	-.01500	.02170
3.496	.984	1.04300	1.02880	-.95000	-.91430	-.01420	.03570	.03250
3.496	1.991	2.03060	2.01000	-1.97000	-1.95330	-.02060	.01670	.01080
3.496	2.977	3.01700	3.03590	-2.94370	-2.91320	.01890	.03050	.02170
3.496	4.969	4.98230	5.04090	-4.94050	-4.91120	.05860	.02930	.03250
3.496	7.983	8.03610	8.03000	-7.92400	-7.94310	-.00610	-.01910	.02170
3.496	9.997	10.04000	10.01900	-9.97600	-9.95130	-.02130	.02470	.02170
	GRADIENT	.99924	1.00074	-1.00056	-.99948	.00150	.00109	-.00043

AMES 118-1-87 OA145C 01 (D2H033) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 71/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-4.990	-4.95720	-4.93040	5.03480	5.03760	.02680	.00280	.01080
3.001	-2.991	-2.98140	-2.91760	3.01540	3.04820	.06380	.03280	.02170
3.001	-1.973	-1.94930	-1.92000	2.00510	2.01810	.02930	.01290	.00000
3.001	-.978	-.93140	-.94000	1.01200	1.03000	-.00860	.01800	.01080
3.001	-.002	.04170	.03870	.04400	.04500	-.00300	.00100	.00000
3.001	.979	1.02200	1.02880	-.93000	-.93300	.00680	-.00300	.01080
3.001	1.994	2.07980	2.02000	-1.94000	-1.93590	-.05980	.00410	.01080
3.001	2.968	2.99700	3.01530	-2.92370	-2.93610	.01830	-.01250	.00000
3.001	4.975	5.00100	5.00360	-4.95100	-4.94470	.00260	.00630	.00000
3.001	7.987	8.02830	8.01900	-7.95700	-7.94310	-.00930	.01390	.00000
3.001	9.992	10.05000	10.01100	-9.97600	-9.92900	-.03900	.04700	.00000
	GRADIENT	1.00188	.99645	-.99983	-1.00184	-.00543	-.00201	-.00126

AMES 118-1-87 OA145C 01 (D2H034) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 67/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	.287	5.01960	5.02230	-4.95100	-4.93350	.00260	.01750	.02170
3.001	1.922	5.01960	5.03160	-4.95100	-4.93350	.01200	.01750	.02170
3.001	3.966	5.00100	5.01290	-4.96150	-4.94470	.01200	.01680	.01080
3.001	5.958	5.01030	5.02230	-4.95100	-4.93350	.01200	.01750	.02170
3.001	7.984	5.01960	5.03160	-4.95100	-4.92240	.01200	.02860	.02170
3.001	10.046	5.01030	5.01290	-4.97200	-4.94470	.00260	.02730	.01080
3.001	12.130	5.02900	5.03160	-4.93000	-4.92240	.00260	.00760	.03250
3.001	14.136	5.01960	5.02230	-4.94050	-4.93350	.00260	.00700	.02170
3.001	15.194	5.01030	5.02230	-4.94050	-4.93350	.01200	.00700	.01080
3.001	16.110	5.00100	5.01290	-4.95100	-4.94470	.01200	.00630	.01080
3.001	18.189	5.01030	5.02230	-4.94050	-4.93350	.01200	.00700	.02170
3.001	20.246	5.01960	5.02230	-4.95100	-4.93350	.00260	.01750	.02170
3.001	22.223	5.00100	5.00360	-4.97200	-4.95590	.00260	.01610	.01080
3.001	26.317	5.01030	5.01290	-4.97200	-4.94470	.00260	.02730	.01080
3.001	29.822	5.01960	5.02230	-4.95100	-4.93350	.00260	.01750	.02170
	GRADIENT	-.00522	-.00283	-.00295	-.00314	.00245	-.00020	-.00306

AMES 118-1-87 OA145C 01 (D2H035) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 77/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-14.952	-9.93300	-9.93600	-19.98200	-19.95900	-.00300	.02250	.00000
3.001	-12.949	-7.95850	-7.93130	-18.02600	-17.88100	.02710	.14550	.00000
3.001	-9.948	-4.94780	-4.93040	-14.97100	-14.94200	.01750	.02930	.00000
3.001	-7.964	-3.00110	-2.92830	-12.97500	-12.95200	.07280	.02260	.00000
3.001	-4.948	.02500	.06770	-9.95700	-9.92900	.04270	.02800	.01080
3.001	-3.966	1.02200	1.02000	-8.96500	-8.94110	-.00200	.02390	.00000
3.001	-1.967	3.00700	3.01530	-6.94580	-6.94400	.00830	.00180	.01080
3.001	.026	5.01960	5.01290	-4.97200	-4.95590	-.00670	.01610	.00000
3.001	2.035	7.01860	6.98840	-2.94370	-2.92460	-.03020	.01900	.00000
3.001	4.045	9.02490	9.01900	-.93000	-.93300	-.00590	-.00300	.01080
3.001	5.018	10.02100	10.00300	.01100	.03600	-.01800	.02500	.00000
3.001	8.016	13.02000	12.98900	3.01540	3.03860	-.03120	.02320	.01080
3.001	10.017	15.03200	14.99500	5.00220	5.03760	-.03740	.03530	.00000
	GRADIENT	1.00050	.99556	1.00314	1.00082	-.00494	-.00233	-.00009

AMES 118-1-87 OA145C 01 (D2H036) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 76/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-14.960	-9.94350	-9.95500	-19.98200	-19.95900	-.01150	.02250	.00000
3.001	-12.942	-7.94880	-7.92200	-18.00500	-17.89000	.02680	.11510	.00000
3.001	-9.953	-4.95720	-4.93040	-14.97100	-14.95200	.02680	.01900	.00000
3.001	-7.970	-3.01090	-2.94960	-12.96500	-12.95200	.06130	.01280	.00000
3.001	-4.968	.01670	.02900	-9.97600	-9.94020	.01240	.03580	.00000
3.001	-3.964	1.02200	1.02000	-8.96500	-8.93280	-.00200	.03230	.01080
3.001	-1.972	3.00700	3.00490	-6.95670	-6.94400	-.00210	.01260	.00000
3.001	.037	5.02900	5.01290	-4.96150	-4.93350	-.01600	.02800	.01080
3.001	2.032	6.99700	6.99760	-2.95430	-2.91320	.00060	.04120	.00000
3.001	4.027	9.00820	8.99200	-.96000	-.93300	-.01620	.02700	.00000
3.001	5.009	10.01100	9.99500	.01100	.01800	-.01640	.00700	.00000
3.001	8.025	13.04700	12.99800	3.01540	3.03860	-.04930	.02320	.01080
3.001	10.015	15.03200	14.98500	5.01310	5.02820	-.04750	.01520	.01080
	GRADIENT	.99900	.99682	1.00205	1.00212	-.00219	.00007	-.00041

AMES 118-1-87 OA145C 01 (D2H037) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 75/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-14.950	-9.95250	-9.94550	-19.97200	-19.95900	-.02300	.01280	.00000
3.001	-12.929	-7.92950	-7.92200	-17.99500	-17.87200	.00750	.12350	.00000
3.001	-9.960	-4.95720	-4.93970	-14.98100	-14.96200	.01750	.01920	.00000
3.001	-7.960	-2.98140	-2.93900	-12.95600	-12.96300	.04240	-.00740	.00000
3.001	-4.944	.05000	.03870	-9.95700	-9.90670	-.01130	.05030	.01080
3.001	-3.971	1.00100	1.02000	-8.95520	-8.94940	.01900	.00580	.00000
3.001	-1.954	3.01700	3.02560	-6.94580	-6.91450	.00860	.03140	.01080
3.001	.024	5.01030	5.01290	-4.97200	-4.95590	.00260	.01610	.00000
3.001	2.037	7.01860	6.99760	-2.94370	-2.92460	-.02100	.01900	.00000
3.001	4.038	9.02490	9.00100	-.94000	-.93300	-.02390	.00700	.00000
3.001	5.015	10.02100	10.01100	.01100	.01800	-.01000	.00700	.00000
3.001	10.010	15.01400	14.99500	5.00220	5.02820	-.01900	.02600	.01080
	GRADIENT	1.00034	.99711	1.00261	.99994	-.00323	-.00268	-.00094

AMES 118-1-87 OA145C 01 (D2H038) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 65/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-5.001	-14.94100	-14.95700	-4.95100	-4.94470	-.01630	.00630	.02170
3.001	-3.005	-12.94100	-12.94700	-6.93500	-6.93420	-.00600	.00080	.02170
3.001	-1.996	-11.93800	-11.92400	-7.93500	-7.94310	.01370	-.00810	.02170
3.001	-.984	-10.91600	-10.92800	-8.96500	-8.94110	-.01190	.02390	.02170
3.001	-.107	-9.93300	-10.38200	-9.94750	-9.94020	-.44950	.00730	.02170
3.001	.971	-8.96550	-9.08060	-10.96900	-10.96100	-.11510	.00750	.01080
3.001	2.004	-7.96810	-7.95980	-11.97800	-11.96500	.00830	.01280	.00000
3.001	3.009	-6.97320	-6.93700	-12.98500	-12.96300	.03620	.02190	.00000
3.001	5.010	-4.93850	-4.91170	-14.95000	-14.94200	.02680	.00830	.02170
3.001	8.004	-1.94930	-1.95000	-18.01600	-17.90000	-.00070	.11610	.01080
3.001	10.001	.03330	.02900	-19.97200	-19.96900	-.00430	.00320	.01080
	GRADIENT	.99227	.99426	-1.00829	-1.00505	.00201	.00319	-.00429

AMES 118-1-87 OA145C 01 (D2H039) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 61/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-5.001	-14.93000	-14.95700	-4.94050	-4.94470	-.02750	-.00420	.01080
3.001	-3.008	-12.94100	-12.94700	-6.92420	-6.93420	-.00600	-.01000	.03250
3.001	-2.188	-11.94700	-11.94400	-7.17600	-7.96340	.00220	-.78740	.01080
3.001	-.994	-10.92700	-10.92800	-8.94540	-8.93280	-.00120	.01260	.02170
3.001	-.108	-9.94350	-10.38200	-9.96650	-9.92900	-.43900	.03750	.01080
3.001	.941	-8.95600	-9.17900	-10.96900	-10.92900	-.22300	.04000	.00000
3.001	2.006	-7.92950	-7.93130	-11.94000	-11.94400	-.00190	-.00490	.02170
3.001	3.002	-6.95450	-6.93700	-12.95600	-12.94200	.01750	.01360	.01080
3.001	5.011	-4.94780	-4.92100	-14.96000	-14.95200	.02680	.00850	.02170
3.001	8.009	-1.94050	-1.93000	-18.00500	-17.90000	.01050	.10560	.01080
3.001	10.003	.03330	.05800	-19.95300	-19.96900	.02470	-.01620	.02170
	GRADIENT	.98554	.98089	-1.04762	-.98591	-.00459	.06160	-.00218

AMES 118-1-87 OA145C 01 (D2H040) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 70/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-4.993	-14.96300	-14.92800	-4.96150	-4.95590	.03550	.00560	.00000
3.001	-3.004	-12.95100	-12.96600	-6.96750	-6.93420	-.01520	.03330	.00000
3.001	-2.000	-11.95600	-11.96500	-7.96800	-7.95320	-.00930	.01480	.00000
3.001	-.987	-10.92700	-10.92800	-8.95520	-8.94940	-.00120	.00580	.00000
3.001	.011	-9.92250	-9.89730	-9.95700	-9.90670	.02520	.05030	.01080
3.001	1.000	-8.97500	-8.95270	-10.97900	-10.95000	.02230	.02850	.00000
3.001	1.991	-7.95850	-7.95000	-11.94900	-11.92300	.00850	.02580	.00000
3.001	3.007	-6.97320	-6.93700	-12.97500	-12.96300	.03620	.01210	-.01250
3.001	5.012	-4.95720	-4.93970	-14.98100	-14.96200	.01750	.01920	.00000
3.001	7.996	-1.94930	-1.93000	-17.97400	-17.89000	.01930	.08360	.00000
3.001	9.994	.02500	.00970	-19.99100	-19.94900	-.01530	.04180	.00000
	GRADIENT	.99888	1.00091	-1.00071	-.99942	.00201	.00127	-.00077

AMES 118-1-87 OA145C 01 (D2H041) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 667 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	.250	-4.93850	-4.93040	-14.94000	-14.93100	.00810	.00890	.02170
3.001	1.917	-4.95720	-4.93970	-14.96000	-14.95200	.01750	.00850	.01080
3.001	3.967	-4.96650	-4.94900	-14.96000	-14.95200	.01750	.00850	.01080
3.001	5.976	-4.97580	-4.95840	-14.98100	-14.96200	.01750	.01920	.00000
3.001	7.981	-4.94780	-4.93040	-14.97100	-14.95200	.01750	.01900	.01080
3.001	10.080	-4.95720	-4.91170	-14.96000	-14.94200	.04540	.01880	.01080
3.001	12.120	-4.96650	-4.93040	-14.97100	-14.96200	.03610	.00870	.00000
3.001	14.150	-4.96650	-4.92100	-14.97100	-14.95200	.04550	.01900	.01080
3.001	15.167	-4.95720	-4.93970	-14.98100	-14.97300	.01750	.00880	.00000
3.001	16.162	-4.95720	-4.93970	-14.98100	-14.96200	.01750	.01920	.00000
3.001	18.204	-4.96650	-4.93970	-14.98100	-14.97300	.02680	.00880	.00000
3.001	20.230	-4.94780	-4.92100	-14.97100	-14.95200	.02680	.01900	.01080
3.001	22.230	-4.94780	-4.93040	-14.98100	-14.96200	.01750	.01920	.01080
3.001	26.327	-4.96650	-4.92100	-14.99200	-14.95200	.04550	.04000	.01080
3.001	29.821	-4.95720	-4.93040	-15.00200	-14.96200	.02680	.04020	.01080
	GRADIENT	-.00742	-.00499	-.00518	-.00544	.00243	-.00010	-.00282

AMES 118-1-87 OA145C 01 (D2H042) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 63/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-5.009	5.03830	5.02230	15.04800	15.05000	-.01600	.00170	.03250
3.001	-3.512	7.04030	7.01590	14.04100	14.06400	-.02440	.02290	.02170
3.001	-2.007	8.02830	8.00800	12.02700	12.03900	-.02030	.01280	.02170
3.001	-1.007	9.00820	8.99200	11.01500	11.01500	-.01620	-.00060	.01080
3.001	-.007	10.02100	10.00300	10.02000	10.03100	-.01800	.01140	.01080
3.001	.990	11.02500	11.01300	9.04000	9.03660	-.01210	-.00340	.02170
3.001	1.987	12.02700	12.00100	8.03300	8.04850	-.02610	.01550	.02170
3.001	2.987	13.02900	12.98900	7.04500	7.02640	-.04010	-.01860	.02170
3.001	4.992	15.02300	14.98500	5.01310	5.02820	-.03840	.01520	.02170
3.001	7.734	18.03600	16.93300	2.00510	2.02790	-1.10280	.02280	.01080
3.001	9.985	20.05900	19.98000	.04400	.05400	-.07860	.01000	.02170
	GRADIENT	.96159	.95932	-1.03871	-1.04034	-.00231	-.00165	.00043

AMES 118-1-87 OA145C 01 (D2H043) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = 10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 62/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-5.017	5.02900	5.01290	15.03900	15.07000	-.01600	.03140	.02170
3.001	-3.522	7.01860	6.98840	14.03100	14.06400	-.03020	.03330	.01080
3.001	-2.013	8.02830	8.01900	12.03600	12.06300	-.00930	.02760	.03250
3.001	-1.005	9.01660	9.00100	10.99700	11.03900	-.01560	.04210	.01080
3.001	-.005	10.02100	10.01100	10.02000	10.03100	-.01000	.01140	.02170
3.001	.998	11.01600	10.99600	9.00400	9.01800	-.02050	.01400	.00000
3.001	1.990	12.02700	11.99200	8.03300	8.02550	-.03480	-.00750	.02170
3.001	2.981	13.02000	12.99800	7.04500	7.04780	-.02250	.00280	.01080
3.001	4.991	15.04100	14.98500	5.02390	5.03760	-.05670	.01360	.02170
3.001	7.739	18.04700	16.96400	2.01530	2.03780	-1.08230	.02250	.02170
3.001	9.985	20.01900	19.98000	.02200	.03600	-.03930	.01400	.02170
	GRADIENT	.96320	.95977	-1.03652	-1.04047	-.00351	-.00401	-.00005

AMES 11B-1-87 OA145C 01 (D2H044) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	10.000	BOFLAP =	.000
SPOBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 72/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-5.002	5.01960	5.02230	15.01900	15.03000	.00260	.01070	.00000
3.001	-3.522	7.01860	6.99760	14.04100	14.06400	-.02100	.02290	.01080
3.001	-2.007	8.02050	8.00800	12.01700	12.03900	-.01250	.02200	.01080
3.001	-1.005	9.03320	9.01000	11.02500	11.03900	-.02320	.01420	.01080
3.001	-.000	10.02100	10.00300	10.00300	10.02200	-.01800	.01870	.00000
3.001	.991	11.01600	11.00400	9.03100	9.02730	-.01180	-.00370	.01080
3.001	1.988	12.01800	11.98400	8.02330	8.02550	-.03450	.00220	.00000
3.001	2.991	13.04700	12.98900	7.02300	7.04780	-.05800	.02480	.00000
3.001	5.006	15.04100	15.00500	5.00220	5.01890	-.03640	.01670	.01080
3.001	7.739	18.02600	16.94400	2.00510	2.00820	-1.08180	.00310	.00000
3.001	9.978	20.03900	19.99000	.05500	.06300	-.04900	.00800	.01080
	GRADIENT	.94602	.94139	-1.05535	-1.05715	-.00466	-.00179	-.00180

AMES 118-1-87 OA145C 01 (D2H045) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 687 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	.259	15.01400	14.97500	5.02390	5.00960	-.03940	-.01430	.02170
3.001	1.945	15.01400	14.97500	5.02390	5.00960	-.03940	-.01430	.02170
3.001	3.968	15.01400	14.97500	5.02390	5.01890	-.03940	-.00500	.02170
3.001	5.994	15.02300	14.98500	5.03480	5.02820	-.03840	-.00650	.02170
3.001	7.999	15.01400	14.98500	5.01310	5.01890	-.02920	.00580	.01080
3.001	10.074	15.03200	14.98500	5.03480	5.02820	-.04750	-.00650	.03250
3.001	12.152	15.01400	14.97500	5.02390	5.01890	-.03940	-.00500	.02170
3.001	14.142	15.00500	14.97500	5.00220	5.00960	-.03020	.00730	.01080
3.001	15.204	14.98600	14.96400	5.00220	5.00020	-.02210	-.00200	.00000
3.001	16.158	15.00500	14.96400	5.01310	5.00960	-.04040	-.00350	.01080
3.001	18.169	15.02300	14.98500	5.04560	5.02820	-.03840	-.01740	.03250
3.001	20.233	15.01400	14.97500	5.02390	5.01890	-.03940	-.00500	.02170
3.001	22.223	15.00500	14.97500	5.01310	5.00960	-.03020	-.00350	.02170
3.001	26.362	15.02300	14.98500	5.02390	5.02820	-.03840	.00430	.02170
3.001	29.823	15.02300	14.98500	5.03480	5.02820	-.03840	-.00650	.03250
	GRADIENT	.00000	.00000	.00000	.00258	.00000	.00258	.00000

AMES 118-1-87 OA145C 01 (D2H046) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 69/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-6.339	5.01030	5.00360	-4.97200	-4.95590	-.00670	.01610	.01080
3.001	-4.245	5.01960	5.01290	-4.96150	-4.94470	-.00670	.01680	.01080
3.001	-3.171	5.00100	4.99430	-4.96150	-4.95590	-.00670	.00560	.00000
3.001	-2.129	5.01960	5.01290	-4.96150	-4.94470	-.00670	.01680	.01080
3.001	-1.057	5.01030	5.00360	-4.96150	-4.95590	-.00670	.00560	.00000
3.001	-.015	5.00100	5.00360	-4.96150	-4.95590	.00260	.00560	.00000
3.001	1.062	5.01030	5.01290	-4.96150	-4.95590	.00260	.00560	.00000
3.001	2.108	5.01030	5.01290	-4.96150	-4.95590	.00260	.00560	.00000
3.001	3.185	5.00100	4.99430	-4.97200	-4.96710	-.00670	.00490	-.01250
3.001	4.224	4.99160	4.99430	-4.98250	-4.97820	.00260	.00430	-.01250
3.001	6.343	5.02900	5.02230	-4.94050	-4.93350	-.00670	.00700	.00000
	GRADIENT	-.00206	-.00103	-.00182	-.00299	.00102	-.00117	-.00240

AMES 118-1-87 OA145C 01 (D2H047) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	-5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 179/ 0 RN/L = 2.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.496	4.752	-4.94780	-4.93970	4.98060	5.01890	.00810	.03840	.00000
3.496	7.294	-4.94780	-4.93970	4.99140	5.02820	.00810	.03680	.01080
3.496	9.781	-4.94780	-4.93970	4.99140	5.02820	.00810	.03680	.01080
3.496	11.835	-4.95720	-4.93970	4.99140	5.01890	.01750	.02750	.01080
3.496	13.837	-4.94780	-4.93040	5.00220	5.02820	.01750	.02600	.02170
3.496	14.874	-4.94780	-4.93970	4.99140	5.02820	.00810	.03680	.01080
3.496	15.854	-4.92910	-4.91170	5.02390	5.04690	.01740	.02300	.03250
3.496	17.882	-4.95720	-4.93970	4.99140	5.01890	.01750	.02750	.01080
3.496	19.921	-4.95720	-4.93970	4.98060	5.02820	.01750	.04770	.02170
3.496	22.411	-4.94780	-4.93040	4.99140	5.02820	.01750	.03680	.02170
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (D2H048) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 49/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-9.476	.02500	.03870	.03300	.03600	.01370	.00300	-11.49400
3.001	-4.926	.02500	.03870	.02200	.03600	.01370	.01400	-5.99410
3.001	-2.417	.04170	.04840	.04400	.05400	.00670	.01000	-2.94410
3.001	.036	.03330	.03870	.03300	.04500	.00540	.01200	.04340
3.001	2.504	.03330	.04840	.04400	.04500	.01500	.00100	3.05000
3.001	4.998	.03330	.04840	.04400	.04500	.01500	.00100	6.08130
3.001	10.010	.02500	.03870	.03300	.04500	.01370	.01200	12.13600
	GRADIENT	.00034	.00079	.00178	.00037	.00044	-.00141	1.21705

AMES 118-1-87 OA145C 01 (D2H049) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 36/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-22.746	.00830	.00970	.03300	.00900	.00130	-.02400	-27.05700
3.000	-17.917	.00830	.00970	.02200	.00900	.00130	-.01300	-21.49900
3.000	-14.947	.01670	.01930	.03300	.01800	.00270	-.01500	-18.01600
3.000	-9.485	.02500	.02900	.04400	.02700	.00400	-.01700	-11.50500
3.000	-4.946	.01670	.01930	.03300	.01800	.00270	-.01500	-6.01870
3.000	-2.447	.00000	.00970	.01100	.00900	.00970	-.00200	-2.98060
3.000	.036	.02500	.01930	.03300	.01800	-.00570	-.01500	.04340
3.000	2.504	.00830	.00970	.02200	.01800	.00130	-.00400	3.05000
3.000	4.978	.00830	.00970	.01100	.00900	.00130	-.00200	6.05700
3.000	10.031	.00830	.01930	.02200	.01800	.01100	-.00400	12.16200
3.000	15.017	.01670	.01930	.03300	.01800	.00270	-.01500	18.09900
3.000	22.811	.00000	.00000	.01100	.00000	.00000	-.01100	27.13100
	GRADIENT	-.00034	-.00077	-.00133	-.00036	-.00045	.00097	1.21705

AMES 118-1-87 OA145C 01 (D2H049) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 178/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.496	-22.746	.00830	.01930	.00000	.03600	.01100	.03600	-27.05700
3.496	-17.927	.02500	.03870	.02200	.04500	.01370	.02300	-21.51100
3.496	-14.968	.01670	.02900	.00000	.03600	.01240	.03600	-18.04100
3.496	-9.494	.01670	.02900	.01100	.03600	.01240	.02500	-11.51600
3.496	-4.916	.02500	.03870	.02200	.04500	.01370	.02300	-5.98170
3.496	-2.537	.01670	.02900	.00000	.03600	.01240	.03600	-3.09020
3.496	.053	.02500	.04840	.02200	.05400	.02340	.03200	.06500
3.496	2.534	.01670	.02900	.01100	.03600	.01240	.02500	3.08600
3.496	5.038	.01670	.02900	.01100	.04500	.01240	.03400	6.12990
3.496	9.999	.02500	.03870	.01100	.04500	.01370	.03400	12.12300
3.496	15.038	.00830	.02900	.00000	.03600	.02070	.03600	18.12400
	GRADIENT	-.00065	-.00036	-.00039	-.00034	.00029	.00006	1.21730

AMES 118-1-87 OA145C 01 (D2H050) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 50/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-9.485	.02500	.03870	.03300	.04500	.01370	.01200	-11.50500
3.001	-4.936	.02500	.04840	.03300	.03600	.02340	.00300	-6.00640
3.001	-2.427	.01670	.02900	.02200	.03600	.01240	.01400	-2.95630
3.001	-.021	.00000	.00000	.00000	.00000	.00000	.00000	-.02500
3.001	2.504	.02500	.04840	.03300	.04500	.02340	.01200	3.05000
3.001	4.998	.00830	.04840	.04400	.04500	.04000	.00100	6.08130
3.001	10.031	.01670	.05800	.05500	.05400	.04140	-.00100	12.16200
	GRADIENT	-.00100	.00081	.00135	.00112	.00180	-.00023	1.21705

AMES 118-1-87 OA145C 01 (D2H051) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 52/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	.190	.01670	.03870	.03300	.03600	.02200	.00300	-6.01870
3.001	2.562	.03330	.04840	.04400	.04500	.01500	.00100	-6.00640
3.001	5.039	.02500	.04840	.05500	.04500	.02340	-.01000	-6.00640
3.001	7.621	.00000	.03870	.02200	.03600	.03870	.01400	-6.01870
3.001	10.113	.06660	.02900	.03300	.03600	-.03760	.00300	-6.01870
3.001	12.167	.00000	.04840	.05500	.04500	.04840	-.01000	-6.00640
3.001	14.166	.00830	.03870	.03300	.03600	.03040	.00300	-6.01870
3.001	15.203	.00000	.03870	.02200	.03600	.03870	.01400	-6.00640
3.001	16.187	.00000	.02900	.00000	.02700	.02900	.02700	-6.03100
3.001	18.204	.00830	.02900	.02200	.03600	.02070	.01400	-6.01870
3.001	20.302	.03330	.03870	.02200	.04500	.00540	.02300	-6.00640
3.001	22.769	.00000	.01930	.00000	.02700	.01930	.02700	-6.03100
3.001	25.492	.00830	.04840	.04400	.04500	.04000	.00100	-6.00640
	GRADIENT	.00700	.00409	.00464	.00379	-.00295	-.00084	.00518

RUN NO. 184/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.498	4.767	.03330	.02900	.03300	.01800	-.00430	-.01500	-6.01870
3.498	7.312	.02500	.02900	.03300	.01800	.00400	-.01500	-6.03100
3.498	9.736	.02500	.02900	.03300	.00900	.00400	-.02400	-6.03100
3.498	11.796	.02500	.01930	.02200	.00900	-.00570	-.01300	-6.03100
3.498	13.823	.04170	.03870	.05500	.02700	-.00300	-.02800	-6.00640
3.498	14.854	.03330	.03870	.04400	.02700	.00540	-.01700	-6.01870
3.498	15.860	.02500	.03870	.04400	.02700	.01370	-.01700	-6.01870
3.498	17.877	.03330	.03870	.04400	.01800	.00540	-.02600	-6.01870
3.498	19.924	.03330	.03870	.04400	.01800	.00540	-.02600	-6.01870
3.498	22.428	.03330	.03870	.04400	.02700	.00540	-.01700	-6.01870
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (D2H052) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55 000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 53/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-6.256	.01670	.02900	.03300	.03600	.01240	.00300	-6.01870
3.001	-4.163	.03330	.03870	.03300	.03600	.00540	.00300	-6.01870
3.001	-2.051	.02500	.04840	.04400	.04500	.02340	.00100	-6.00640
3.001	-.992	.01670	.04840	.06600	.05400	.03170	-.01200	-5.99410
3.001	.077	.00000	.01930	.02200	.02700	.01930	.00500	-6.03100
3.001	1.118	.00000	.01930	.02200	.02700	.01930	.00500	-6.01870
3.001	2.167	.01670	.04840	.04400	.05400	.03170	.01000	-5.99410
3.001	3.202	.04170	.04840	.05500	.05400	.00670	-.00100	-5.99410
3.001	4.240	.02500	.04840	.05500	.04500	.02340	-.01000	-5.99410
3.001	6.381	.03330	.04840	.03300	.05400	.01500	.02100	-5.99410
	GRADIENT	-.00004	.00066	.00153	.00115	.00069	-.00038	.00257

AMES 118-1-87 OA145C 01 (D2H053) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 54/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-6.346	.04170	.03870	.03300	.04500	-.00300	.01200	-5.99410
3.001	-4.237	.01670	.02900	.02200	.02700	.01240	.00500	-6.00640
3.001	-2.127	.00000	.03870	.04400	.04500	.03870	.00100	-5.99410
3.001	-1.061	.02500	.04840	.03300	.05400	.02340	.02100	-5.99410
3.001	-.005	.01670	.03870	.04400	.04500	.02200	.00100	-5.99410
3.001	1.056	.00000	.01930	.02200	.02700	.01930	.00500	-6.00640
3.001	2.123	.00830	.03870	.04400	.04500	.03040	.00100	-5.99410
3.001	3.196	.00830	.03870	.04400	.04500	.03040	.00100	-5.99410
3.001	4.277	.00000	.02900	.03300	.03600	.02900	.00300	-6.00640
3.001	6.377	.00000	.02900	.02200	.03600	.02900	.01400	-6.01870
	GRADIENT	-.00148	-.00034	.00108	.00042	.00113	-.00066	.00002

AMES 118-1-87 OA145C 01 (D2H054) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 55/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-6.378	.00000	.02900	.03300	.03600	.02900	.00300	-6.00640
3.001	-4.295	.00000	.02900	.03300	.03600	.02900	.00300	-6.00640
3.001	-2.201	.00000	.03870	.03300	.03600	.03870	.00300	-5.99410
3.001	-1.132	.01670	.04840	.05500	.05400	.03170	-.00100	-5.98170
3.001	-.068	.00830	.03870	.04400	.04500	.03040	.00100	-5.99410
3.001	1.016	.00000	.02900	.04400	.04500	.02900	.00100	-6.00640
3.001	2.076	.00000	.03870	.04400	.04500	.03870	.00100	-5.99410
3.001	3.145	.00000	.01930	.03300	.02700	.01930	-.00600	-6.01870
3.001	4.205	.00000	.03870	.02200	.04500	.03870	.02300	-6.00640
3.001	6.304	.00000	.02900	.01100	.03600	.02900	.02500	-6.00640
	GRADIENT	-.00050	-.00053	-.00094	.00002	-.00004	.00095	-.00152

AMES 118-1-87 OA145C 01 (D2H055) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 51/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-22.746	.00830	.03870	.03300	.03600	.03040	.00300	-27.05700
3.001	-17.927	.01670	.04840	.04400	.04500	.03170	.00100	-21.51100
3.001	-14.936	.00830	.02900	.02200	.02700	.02070	.00500	-18.00300
3.001	-9.494	.01670	.04840	.04400	.04500	.03170	.00100	-11.51600
3.001	-4.946	.00830	.03870	.03300	.03600	.03040	.00300	-6.01870
3.001	-2.437	.00830	.02900	.02200	.03600	.02070	.01400	-2.96850
3.001	.044	.02500	.05800	.05500	.05400	.03300	-.00100	.05420
3.001	2.534	.00830	.03870	.03300	.04500	.03040	.01200	3.08600
3.001	5.008	.00000	.03870	.03300	.03600	.03870	.00300	6.09340
3.001	10.010	.01670	.04840	.04400	.05400	.03170	.01000	12.13600
3.001	14.996	.00000	.01930	.01100	.02700	.01930	.01600	18.07400
3.001	22.834	.00000	.02900	.02200	.03600	.02900	.01400	27.15700
	GRADIENT	.00067	.00116	-.00132	.00180	.00049	.00048	1.21728

AMES 118-1-87 OA145C 01 (D2H056) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 60/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	.271	.01670	.00970	.00000	.02700	-.00700	.02700	.00000
3.001	2.455	.02500	.00970	.01100	.04500	-.01530	.03400	.02170
3.001	4.995	.02500	.01930	.02200	.04500	-.00570	.02300	.02170
3.001	7.531	.03330	.02900	.00000	.05400	-.00430	.05400	.03250
3.001	10.064	.01670	.00000	.01100	.03600	-.01670	.02500	.01080
3.001	12.144	.02500	.01930	.03300	.04500	-.00570	.01200	.02170
3.001	14.166	.01670	.00970	.01100	.03600	-.00700	.02500	.01080
3.001	15.148	.01670	.00970	.01100	.03600	-.00700	.02500	.01080
3.001	16.212	.02500	.01930	.03300	.04500	-.00570	.01200	.02170
3.001	18.194	.01670	.00970	.01100	.03600	-.00700	.02500	.01080
3.001	20.268	.01670	.00970	.00000	.03600	-.00700	.03600	.01080
3.001	22.758	.00830	.00000	.00000	.02700	-.00830	.02700	.01080
3.001	25.441	.02500	.01930	.02200	.04500	-.00570	.02300	.02170
	GRADIENT	.00171	.00208	.00465	.00371	.00037	-.00094	.00447

RUN NO. 187/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.498	4.805	.02500	.02900	.04400	.04500	.00400	.00100	.01080
3.498	7.293	.03330	.03870	.04400	.05400	.00540	.01000	.02170
3.498	9.776	.00830	.00970	.01100	.02700	.00130	.01600	.00000
3.498	11.808	.02500	.03870	.04400	.04500	.01370	.00100	.01080
3.498	13.853	.01670	.01930	.02200	.03600	.00270	.01400	.01080
3.498	14.884	.04170	.04840	.05500	.06300	.00670	.00800	.03250
3.498	15.871	.00000	.00000	.00000	.00900	.00000	.00900	.00000
3.498	17.877	.00830	.01930	.01100	.02700	.01100	.01600	.00000
3.498	19.917	.00830	.01930	.02200	.02700	.01100	.00500	.00000
3.498	22.448	.02500	.02900	.03300	.04500	.00400	.01200	.01080
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (D2H057) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 59/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	.282	.03330	.01930	.01100	.04500	-.01400	.03400	.02170
3.001	2.472	.03330	.01930	.02200	.04500	-.01400	.02300	.02170
3.001	4.987	.03330	.01930	.01100	.04500	-.01400	.03400	.02170
3.001	7.528	.00830	.00000	.00000	.01800	-.00830	.01800	.00000
3.001	10.053	.03330	.02900	.02200	.04500	-.00430	.02300	.03250
3.001	12.120	.01670	.00970	.00000	.02700	-.00700	.02700	.01080
3.001	14.144	.01670	.00000	.00000	.02700	-.01670	.02700	.01080
3.001	15.174	.01670	.00000	.00000	.02700	-.01670	.02700	.01080
3.001	16.155	.02500	.00970	.00000	.03600	-.01530	.03600	.01080
3.001	18.176	.00830	.00000	.00000	.02700	-.00830	.02700	.00000
3.001	20.223	.04170	.02900	.03300	.05400	-.01260	.02100	.02170
3.001	22.751	.01670	.00000	.00000	.02700	-.01670	.02700	.01080
3.001	25.430	.01670	.00000	.00000	.02700	-.01670	.02700	.01080
	GRADIENT	.00000	.00000	-.00011	.00000	.00000	.00011	.00000

RUN NO. 188/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.498	4.810	.03330	.02900	.03300	.04500	-.00430	.01200	.02170
3.498	7.316	.02500	.02900	.03300	.03600	.00400	.00300	.01080
3.498	9.772	.03330	.02900	.03300	.04500	-.00430	.01200	.02170
3.498	11.796	.01670	.01930	.02200	.02700	.00270	.00500	.01080
3.498	13.800	.03330	.03870	.04400	.05400	.00540	.01000	.02170
3.498	14.862	.02500	.02900	.03300	.03600	.00400	.00300	.02170
3.498	15.865	.04170	.04840	.05500	.06300	.00670	.00800	.03250
3.498	17.864	.01670	.02900	.02200	.03600	.01240	.01400	.01080
3.498	19.904	.02500	.02900	.03300	.04500	.00400	.01200	.02170
3.498	22.442	.02500	.02900	.03300	.04500	.00400	.01200	.02170
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (D2H058) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	22.500
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 58/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	.273	.03330	.02900	.03300	.05400	-.00430	.02100	.02170
3.001	2.003	.03330	.01930	.01100	.04500	-.01400	.03400	.02170
3.001	4.974	.03330	.01930	.02200	.05400	-.01400	.03200	.02170
3.001	7.558	.02500	.00970	.01100	.03600	-.01530	.02500	.01080
3.001	10.110	.02500	.00970	.00000	.03600	-.01530	.03600	.01080
3.001	12.166	.02500	.01930	.02200	.03600	-.00570	.01400	.02170
3.001	14.180	.03330	.02900	.01100	.04500	-.00430	.03400	.02170
3.001	15.157	.01670	.00000	.00000	.02700	-.01670	.02700	.00000
3.001	16.165	.03330	.01930	.00000	.04500	-.01400	.04500	.02170
3.001	18.220	.02500	.00970	.00000	.03600	-.01530	.03600	.01080
3.001	20.274	.03330	.01930	.03300	.04500	-.01400	.01200	.02170
3.001	22.750	.03330	.02900	.00000	.04500	-.00430	.04500	.02170
3.001	25.435	.02500	.00970	.00000	.03600	-.01530	.03600	.01080
	GRADIENT	.00000	-.00184	-.00168	.00033	-.00184	.00201	.00000

AMES 118-1-87 OA145C 01 (D2H059) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 56/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-11.761	.01670	.03870	.02200	.04500	.02200	.02300	.02170
3.001	-8.000	.01670	.03870	.02200	.04500	.02200	.02300	.02170
3.001	-5.979	.00000	.02900	.01100	.02700	.02900	.01600	.01080
3.001	-3.921	.00000	.02900	.01100	.03600	.02900	.02500	.01080
3.001	-2.011	-.01080	.01930	.01100	.02700	.03020	.01600	.01080
3.001	.029	-.03250	.02900	.02200	.03600	.06150	.01400	.02170
3.001	1.940	-.08660	.00000	.00000	.00900	.08660	.00900	.00000
3.001	4.007	.00830	.02900	.02200	.03600	.02070	.01400	.01080
3.001	6.010	.02500	.02900	.04400	.05400	.00400	.01000	.03250
3.001	8.010	.02500	.01930	.05500	.04500	-.00570	-.01000	.02170
3.001	12.070	.00000	.00000	.00000	.02700	.00000	.02700	.00000
3.001	16.339	.01670	.00970	.04400	.03600	-.00700	-.00800	.02170
3.001	22.594	.02500	.01930	.02200	.04500	-.00570	.02300	.02170
	GRADIENT	-.00288	-.00093	.00059	-.00087	.00194	-.00145	-.00053

AMES 118-1-87 OA145C 01 (D2H060) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 35/ 0. RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-11.761	.01670	.00970	.03300	.01800	-.00700	-.01500	.02170
3.000	-8.000	.03330	.02900	.04400	.02700	-.00430	-.01700	.03250
3.000	-5.938	.03330	.02900	.05500	.03600	-.00430	-.01900	.04340
3.000	-3.903	.01670	.00970	.02200	.00900	-.00700	-.01300	.02170
3.000	-2.022	.00830	.00000	.01100	.00000	-.00830	-.01100	.01080
3.000	.019	.03330	.02900	.05500	.03600	-.00430	-.01900	.04340
3.000	1.969	.01670	.01930	.03300	.01800	.00270	-.01500	.03250
3.000	3.986	.00830	.00000	.01100	.00000	-.00830	-.01100	.01080
3.000	6.020	.03330	.02900	.04400	.02700	-.00430	-.01700	.04340
3.000	7.990	.00830	.00000	.02200	.00000	-.00830	-.02200	.02170
3.000	12.100	.03330	.02900	.04400	.02700	-.00430	-.01700	.04340
3.000	16.339	.02500	.01930	.04400	.02700	-.00570	-.01700	.03250
3.000	22.604	.02500	.01930	.03300	.01800	-.00570	-.01500	.03250
	GRADIENT	-.00041	.00000	.00001	.00001	.00042	-.00000	.00000

RUN NO. 177/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.496	-11.772	.02500	.03870	.02200	.04500	.01370	.02300	.03250
3.496	-8.041	.02500	.03870	.02200	.04500	.01370	.02300	.03250
3.496	-6.040	.02500	.03870	.02200	.05400	.01370	.03200	.03250
3.496	-3.912	.02500	.02900	.02200	.04500	.00400	.02300	.03250
3.496	-1.990	.02500	.03870	.02200	.04500	.01370	.02300	.03250
3.496	.019	.01670	.02900	.01100	.04500	.01240	.03400	.02170
3.496	1.969	.03330	.04840	.03300	.05400	.01500	.02100	.03250
3.496	4.040	.03330	.04840	.02200	.05400	.01500	.03200	.03250
3.496	6.010	.02500	.03870	.01100	.04500	.01370	.03400	.02170
3.496	8.020	.02500	.03870	.02200	.05400	.01370	.03200	.03250
3.496	12.100	.02500	.04840	.02200	.05400	.02340	.03200	.03250
3.496	16.339	.02500	.03870	.02200	.05400	.01370	.03200	.03250
3.496	22.594	.01670	.02900	.01100	.03600	.01240	.02500	.02170
	GRADIENT	.00125	.00243	.00054	.00136	.00116	.00082	.00000

AMES 118-1-87 OA145C 01 (D2H061) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 57/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	-11.761	.00830	.01930	.04400	.04500	.01100	.00100	.02170
3.001	-8.020	.00000	.00000	.01100	.02700	.00000	.01600	.00000
3.001	-5.969	.00830	.01930	.05500	.04500	.01100	-.01000	.01080
3.001	-3.921	.00000	.00000	.01100	.02700	.00000	.01600	.00000
3.001	-2.011	.01670	.00970	.02200	.03600	-.00700	.01400	.01080
3.001	.019	.02500	.01930	.05500	.04500	-.00570	-.01000	.01080
3.001	1.960	.00830	.00970	.05500	.03600	.00130	-.01900	.01080
3.001	4.029	.01670	.01930	.06600	.04500	.00270	-.02100	.01080
3.001	6.000	.03330	.02900	.03300	.04500	-.00430	.01200	.02170
3.001	8.020	.03330	.02900	.03300	.04500	-.00430	.01200	.02170
3.001	12.100	.03330	.02900	.05500	.04500	-.00430	-.01000	.02170
3.001	16.328	.00830	.00970	.00000	.02700	.00130	.02700	.01080
3.001	22.585	.00830	.00970	.03300	.03600	.00130	.00300	.01080
	GRADIENT	.00125	.00194	.00720	.00181	.00070	-.00538	.00108

AMES 118-1-87 OA145C 01 (D2H062) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -35.000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 73/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	.267	-34.96500	-34.94000	-34.97100	-34.97000	.02450	.00100	.00000
3.001	1.942	-34.98800	-34.99300	-35.00300	-34.99800	-.00470	.00500	-.02500
3.001	3.971	-34.96500	-34.96100	-34.98200	-34.98000	.00350	.00230	.00000
3.001	5.963	-34.96500	-34.94000	-34.98200	-34.97000	.02450	.01170	.00000
3.001	7.982	-34.96500	-34.94000	-34.98200	-34.97000	.02450	.01170	.00000
3.001	10.031	-34.97700	-34.97200	-34.99300	-34.98900	.00470	.00370	.00000
3.001	12.108	-34.95300	-34.93000	-34.97100	-34.97000	.02330	.00100	.00000
3.001	14.127	-34.97700	-34.96100	-34.98200	-34.98000	.01520	.00230	.00000
3.001	15.164	-34.95300	-34.93000	-34.97100	-34.96100	.02330	.01030	.01080
3.001	16.145	-34.94200	-34.90900	-34.95000	-34.95200	.03270	-.00160	.01080
3.001	18.182	-34.97700	-34.96100	-34.98200	-34.98000	.01520	.00230	.00000
3.001	20.216	-34.98800	-34.96100	-34.98200	-34.98900	.02680	-.00700	.00000
3.001	22.216	-34.98800	-34.96100	-34.99300	-34.98900	.02680	.00370	.00000
3.001	26.366	-34.98800	-34.95100	-34.98200	-34.98000	.03730	.00230	.00000
3.001	29.826	-35.00000	-34.97200	-34.99300	-34.98900	.02800	.00370	-.01250
	GRADIENT	.00039	-.00492	-.00251	-.00230	-.00533	.00029	.00043

AMES 118-1-87 OA145C 01 (D2H063) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	20.000
AILRON =	.000	BDFLAP =	22.500
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 74/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.001	.272	20.00900	19.97000	20.02400	20.05200	-.03950	.02770	.00000
3.001	1.915	20.01900	19.98000	20.03500	20.05200	-.03930	.01700	.01080
3.001	3.968	20.01900	19.97000	20.03500	20.05200	-.04930	.01700	.01080
3.001	5.987	20.02900	19.98000	20.03500	20.06100	-.04910	.02620	.01080
3.001	8.013	20.02900	19.97000	20.03500	20.06100	-.05910	.02620	.01080
3.001	10.052	20.00900	19.97000	20.02400	20.04300	-.03950	.01850	.00000
3.001	12.147	20.00900	19.96000	20.02400	20.04300	-.04950	.01850	.00000
3.001	14.152	20.01900	19.97000	20.03500	20.05200	-.04930	.01700	.01080
3.001	15.174	20.01900	19.97000	20.02400	20.05200	-.04930	.02770	.00000
3.001	16.158	20.02900	19.98000	20.03500	20.05200	-.04910	.01700	.01080
3.001	18.186	20.00900	19.97000	20.02400	20.05200	-.03950	.02770	.00000
3.001	20.234	20.00900	19.96000	20.01300	20.04300	-.04950	.02920	.00000
3.001	22.222	20.01900	19.97000	20.02400	20.05200	-.04930	.02770	.01080
3.001	26.308	20.00900	19.96000	20.01300	20.05200	-.04950	.03830	.00000
3.001	29.813	20.02900	19.98000	20.03500	20.06100	-.04910	.02620	.02170
	GRADIENT	.00260	-.00020	.00285	.00000	-.00274	-.00278	.00280

AMES 118-1-87 OA145C 01 (D2H064) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 100/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.186	.01670	.02900	.03300	.00900	.01240	-.02400	.01080
3.000	2.533	.02500	.03870	.04400	.01800	.01870	-.02600	.01080
3.000	4.984	.03330	.05800	.06600	.03600	.02470	-.03000	.02170
3.000	7.567	.02500	.04840	.06500	.01800	.02340	-.03700	.02170
3.000	10.029	.01670	.05800	.05500	.02700	.04140	-.02800	.02170
3.000	12.118	.01670	.03870	.04400	.00900	.02200	-.03500	.01080
3.000	14.172	.00830	.04840	.03300	.01800	.04000	-.01500	.01080
3.000	15.190	.01670	.05800	.07700	.03600	.04140	-.04100	.02170
3.000	16.163	.00830	.04840	.02200	.01800	.04000	-.00400	.01080
3.000	18.186	.02500	.06770	.05500	.03600	.04270	-.01900	.03250
3.000	20.237	.00000	.03870	.01100	.00900	.03870	-.00200	.01000
3.000	22.737	.00830	.03870	.02200	.01800	.03040	-.00400	.01080
3.000	25.427	.02500	.05800	.04400	.03600	.03300	-.00800	.02170
	GRADIENT	.00346	.00606	.00689	.00564	.00258	-.00125	.00229

AMES 118-1-87 OA145C 01 (D2H065) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 106/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.291	.04170	.05800	.04400	.02700	.01640	-.01700	.02170
3.000	-4.198	.02500	.02900	.01100	.00900	.00400	-.00200	.00000
3.000	-2.072	.05000	.04840	.04400	.02700	.00160	-.01700	.01080
3.000	-1.003	.05000	.05800	.04400	.03600	.00800	-.00800	.02170
3.000	.071	.02500	.02900	.01100	.00900	.00400	-.00200	.00000
3.000	1.157	.02500	.03870	.03300	.02700	.01370	-.00600	.01080
3.000	2.179	.03330	.04840	.03300	.02700	.01500	-.00600	.01080
3.000	3.217	.02500	.03870	.03300	.01800	.01370	-.01500	.01080
3.000	4.254	.01670	.03870	.02200	.00900	.02200	-.01300	.00000
3.000	6.392	.01670	.02900	.03300	.01800	.01240	-.01500	.00000
	GRADIENT	-.00209	.00023	.00045	-.00029	.00232	-.00073	-.00005

AMES 118-1-87 OA145C 01 (D2H066) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 104/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.323	.01670	.03870	.03300	.01800	.02200	-.01500	.00000
3.000	-4.243	.02500	.03870	.03300	.02700	.01370	-.00600	.02170
3.000	-2.123	.01670	.02900	.02200	.00900	.01240	-.01300	.01080
3.000	-1.065	.01670	.02900	.02200	.01800	.01240	-.00400	.01080
3.000	-.009	.01670	.03870	.02200	.01800	.02200	-.00400	.01080
3.000	1.099	.01670	.03870	.02200	.00900	.02200	-.01300	.01080
3.000	2.144	.02500	.03870	.03300	.01800	.01370	-.01500	.01080
3.000	3.199	.02500	.04840	.03300	.01800	.02340	-.01500	.01080
3.000	4.252	.02500	.03870	.03300	.01800	.01370	-.01500	.01080
3.000	6.371	.01670	.03870	.03300	.01800	.02200	-.01500	.01080
	GRADIENT	.00055	.00117	.00073	-.00045	.00061	-.00117	-.00090

AMES 118-1-87 OA145C 01 (D2H067) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 103/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.257	.02500	.05800	.04400	.03600	.03300	-.00800	.05420
3.000	-4.173	.01670	.03870	.03300	.01800	.02200	-.01500	.05420
3.000	-2.060	.01670	.04840	.04400	.02700	.03170	-.01700	.05420
3.000	-.995	.02500	.04840	.04400	.02700	.02340	-.01700	.02170
3.000	.064	.00830	.03870	.02200	.01800	.03040	-.00400	.00000
3.000	1.161	.00830	.02900	.01100	.00900	.02070	-.00200	.00000
3.000	2.171	.01670	.04840	.03300	.02700	.03170	-.00600	.01080
3.000	3.217	.02500	.04840	.04400	.02700	.02340	-.01700	.01080
3.000	4.256	.00830	.02900	.01100	.00900	.02070	-.00200	.00000
3.000	6.339	.01670	.03870	.02200	.01800	.02200	-.00400	.00000
	GRADIENT	-.00043	-.00070	-.00195	-.00065	-.00027	.00130	-.00667

AMES 118-1-87 0A145C 01 (D2H068) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 101/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.309	.02500	.03870	.03300	.01800	.01370	-.01500	.01080
3.000	2.557	.01670	.02900	.02200	.00900	.01240	-.01300	.00000
3.000	5.014	.02500	.03870	.02200	.01800	.01370	-.00400	.01080
3.000	7.878	.02500	.04840	.03300	.02700	.02340	-.00600	.01080
3.000	10.118	.03330	.04840	.04400	.03600	.01500	-.00800	.02170
3.000	12.208	.00830	.03870	.02200	.01800	.03040	-.00400	.01080
3.000	14.202	.00000	.04840	.04400	.02700	.04840	-.01700	.01080
3.000	15.251	.02500	.03870	.03300	.01800	.01370	-.01500	.00000
3.000	16.229	.01670	.03870	.02200	.00900	.02200	-.01300	.00000
3.000	18.206	.00830	.03870	.02200	.00900	.03040	-.01300	.00000
3.000	20.342	.01670	.02900	.01100	.00900	.01240	-.00200	.00000
3.000	22.857	.02500	.03870	.01100	.01800	.01370	.00700	.00000
3.000	25.470	.02500	.04840	.04400	.02700	.02340	-.01700	.01080
	GRADIENT	-.00369	-.00432	-.00489	-.00400	-.00058	.00089	-.00480

AMES 118-1-87 0A145C 01 (D2H069) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 107/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-9.494	.01670	.03870	.02200	.01800	.02200	-.00400	-11.51600
3.000	-4.926	.02500	.04840	.03300	.02700	.02340	-.00600	-5.99410
3.000	-2.427	.03330	.05800	.04400	.03600	.02470	-.00800	-2.95630
3.000	.018	.00830	.02900	.01100	.00900	.02070	-.00200	.02170
3.000	2.534	.01670	.04840	.03300	.02700	.03170	-.00600	3.08600
3.000	4.998	.00830	.03870	.03300	.01800	.03040	-.01500	6.08130
3.000	10.021	.00830	.04840	.03300	.01800	.04000	-.01500	12.14900
	GRADIENT	-.00201	-.00116	-.00043	-.00108	.00085	-.00065	1.21706

AMES 118-1-87 OA145C 01 (D2H070) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RN/L =	2.500		

RUN NO. 108/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-22.735	.03330	.05800	.04400	.02700	.02470	-.01700	-27.04400
3.000	-17.947	.03330	.04840	.03300	.02700	.01500	-.00600	-21.53400
3.000	-14.936	.02500	.03870	.02200	.01800	.01370	-.00400	-18.00300
3.000	-9.494	.02500	.03870	.02200	.01800	.01370	-.00400	-11.51600
3.000	-4.936	.03330	.04840	.04400	.02700	.01500	-.01700	-6.00640
3.000	.009	.01670	.03870	.02200	.01800	.02200	-.00400	.01080
3.000	2.504	.03330	.03870	.03300	.02700	.00540	-.00600	3.05000
3.000	5.008	.03330	.04840	.03300	.02700	.01500	-.00600	6.09340
3.000	10.010	.02500	.03870	.02200	.01800	.01370	-.00400	12.13600
3.000	15.017	.01670	.02900	.02200	.00900	.01240	-.01300	18.09900
3.000	22.811	.02500	.03870	.02200	.00900	.01370	-.01300	27.13100
	GRADIENT	-.00047	-.00140	-.00190	-.00026	-.00091	.00164	1.21716

AMES 118-1-87 OA145C 01 (D2H071) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RN/L =	2.500		

RUN NO. 109/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-9.485	.01670	.03870	.02200	.01800	.02200	-.00400	-11.50500
3.000	-4.926	.01670	.03870	.02200	.01800	.02200	-.00400	-5.99410
3.000	-2.427	.02500	.03870	.03300	.01800	.01370	-.01500	-2.95630
3.000	.027	.02500	.04840	.03300	.02700	.02340	-.00600	.03250
3.000	2.504	.02500	.03870	.03300	.01800	.01370	-.01500	3.05000
3.000	5.018	.03330	.05800	.05500	.03000	.02470	-.01900	6.10560
3.000	10.021	.02500	.04840	.03300	.02700	.02340	-.00600	12.14900
	GRADIENT	.00101	.00039	.00134	.00036	-.00062	-.00097	1.21728

AMES 118-1-87 OA145C 01 (D2H072) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	25.000
RN/L =	2.500		

RUN NO. 110/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-9.494	.01670	.03870	.02200	.01800	.02200	-.00400	-11.51600
3.000	-4.916	.02500	.03870	.03300	.02700	.01370	-.00600	-5.98170
3.000	-2.437	.02500	.04840	.03300	.01800	.02340	-.01500	-2.96850
3.000	.027	.02500	.03870	.03300	.01800	.01370	-.01500	.03250
3.000	2.524	.03330	.05800	.04400	.03600	.02470	-.00800	3.07400
3.000	5.008	.02500	.04840	.03300	.01800	.02340	-.01500	6.09340
3.000	10.010	.01670	.03870	.02200	.00900	.02200	- 01300	12.13600
	GRADIENT	.00101	.00195	.00133	.00109	.00094	-.00024	1.21729

AMES 118-1-87 OA145C 01 (D2H073) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 105/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.314	.02500	.04840	.03300	.02700	.02340	-.00600	-6.04340
3.000	-4.208	.02500	.04840	.03300	.02700	.02340	-.00600	-6.05570
3.000	-2.092	.00830	.02900	.02200	.00900	.02070	-.01300	-6.06800
3.000	-1.054	.03330	.04840	.04400	.02700	.01500	-.01700	-6.05570
3.000	.014	.02500	.04840	.03300	.01800	.02340	-.01500	-6.01870
3.000	1.095	.02500	.04840	.04400	.02700	.02340	-.01700	-6.01870
3.000	2.148	.01670	.03870	.02200	.01800	.02200	-.00400	-6.03100
3.000	3.199	.03330	.05800	.04400	.02700	.02470	-.01700	-6.00640
3.000	4.263	.01670	.03870	.02200	.01800	.02200	-.00400	-6.03100
3.000	6.374	.02500	.03870	.03300	.02700	.01370	-.00600	-6.01870
	GRADIENT	.00012	.00038	-.00021	-.00002	.00027	.00019	.00563

AMES 118-1-87 OA145C 01 (D2H074) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 102/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.182	.03330	.03870	.03300	.02700	.00540	-.00600	-6.01870
3.000	2.532	.03330	.02900	.02200	.01800	-.00430	-.00400	-6.03100
3.000	5.033	.04170	.04840	.03300	.02700	.00670	-.00600	-6.01870
3.000	8.940	.02500	.02900	.01100	.00900	.00400	-.00200	-6.03100
3.000	10.131	.03330	.03870	.03300	.02700	.00540	-.00600	-6.01870
3.000	12.128	.00830	.03870	.03300	.01800	.03040	-.01500	-6.01870
3.000	14.150	.02500	.04840	.03300	.02700	.02340	-.00600	-6.01870
3.000	15.209	.02500	.03870	.03300	.02700	.01370	-.00600	-6.01870
3.000	16.169	.03330	.04840	.03300	.02700	.01500	-.00600	-6.01870
3.000	18.190	.01670	.03870	.02200	.01800	.02200	-.00400	-6.03100
3.000	20.258	.02500	.05800	.04400	.03600	.03300	-.00800	-6.01870
3.000	22.740	.01670	.03870	.04400	.02700	.02200	-.01700	-6.03100
3.000	25.440	.01670	.04840	.04400	.02700	.03170	-.01700	-6.01870
	GRADIENT	.00000	-.00413	-.00468	-.00383	-.00413	.00085	-.00523

AMES 118-1-87 OA145C 01 (D2H075) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 111/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-11.761	.02500	.04840	.04400	.02700	.02340	-.01700	.03250
3.000	-7.990	.03330	.05800	.04400	.03600	.02470	-.00800	.03250
3.000	-5.969	.02500	.04840	.03300	.02700	.02340	-.00600	.03250
3.000	-3.884	.04170	.06770	.05500	.04500	.02600	-.01000	.04340
3.000	-2.001	.01670	.03870	.02200	.01800	.02200	-.00400	.02170
3.000	.019	.00830	.02900	.02200	.00900	.02070	-.01300	.01080
3.000	1.960	.01670	.03870	.02200	.01800	.02200	-.00400	.02170
3.000	4.040	.03330	.05800	.04400	.03600	.02470	-.00800	.03250
3.000	6.000	.01670	.02900	.02200	.01800	.01240	-.00400	.02170
3.000	8.000	.02500	.04840	.03300	.02700	.02340	-.00600	.02170
3.000	12.110	.05000	.07740	.06600	.05400	.02740	-.01200	.05420
3.000	16.359	.03330	.05800	.04400	.03600	.02470	-.00800	.03250
3.000	22.594	.01670	.03870	.02200	.01800	.02200	-.00400	.02170
	GRADIENT	-.00079	-.00091	-.00104	-.00085	-.00012	.00019	-.00106

AMES 118-1-87 OA145C 01 (D2H076) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 139/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.300	.02500	.05800	.04400	.05400	.03300	.01000	.04340
3.000	2.561	.02500	.04840	.04400	.04500	.02340	.00100	.03250
3.000	5.032	.01670	.04840	.03300	.04500	.03170	.01200	.03250
3.000	7.582	.00000	.03870	.03300	.04500	.03870	.01200	.03250
3.000	10.113	.01670	.03870	.03300	.04500	.02200	.01200	.03250
3.000	12.149	.01670	.03870	.03300	.03600	.02200	.00300	.03250
3.000	14.126	.02500	.04840	.03300	.04500	.02340	.01200	.03250
3.000	15.176	.02500	.04840	.03300	.04500	.02340	.01200	.03250
3.000	16.155	.00830	.02900	.01100	.02700	.02070	.01600	.02170
3.000	18.180	.00830	.02900	.01100	.02700	.02070	.01600	.01080
3.000	20.237	.03330	.05800	.04400	.05400	.02470	.01000	.04340
3.000	22.741	.00000	.02900	.02200	.02700	.02900	.00500	.02170
3.000	25.409	.02500	.04840	.03300	.03600	.02340	.00300	.03250
	GRADIENT	.00000	-.00425	.00000	-.00398	-.00425	-.00398	-.00482

AMES 118-1-87 OA145C 01 (D2H077) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 141/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.312	.02500	.05800	.05500	.04500	.03300	-.01000	.04340
3.000	-4.235	.00830	.03870	.03300	.03600	.03040	.00300	.02170
3.000	-2.103	.00830	.03870	.03300	.02700	.03040	-.00600	.02170
3.000	-1.047	.01670	.04840	.04400	.04500	.03170	.00100	.03250
3.000	-.007	.01670	.03870	.04400	.03600	.02200	-.00800	.03250
3.000	1.093	.00830	.02900	.03300	.03600	.02070	.00300	.02170
3.000	2.140	.00830	.03870	.03300	.02700	.03040	-.00600	.02170
3.000	3.245	.02500	.05800	.05500	.05400	.03300	-.00100	.04340
3.000	4.265	.01670	.04840	.05500	.04500	.03170	-.01000	.03250
3.000	6.397	.00830	.03870	.04400	.03600	.03040	-.00800	.03250
	GRADIENT	.00113	.00126	.00223	.00141	.00013	-.00082	.00146

AMES 118-1-87 OA145C 01 (D2H078) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 140/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.323	.01670	.03870	.03300	.03600	.02200	.00300	.03250
3.000	2.560	.00830	.02900	.02200	.02700	.02070	.00500	.02170
3.000	5.041	.02500	.05800	.04400	.04500	.03300	.00100	.03250
3.000	7.627	.01670	.04840	.02200	.03600	.03170	.01400	.03250
3.000	10.159	.00000	.04840	.03300	.03600	.04840	.00300	.02170
3.000	12.214	.02500	.04840	.03300	.03600	.02340	.00300	.03250
3.000	14.234	.01670	.04840	.03300	.03600	.03170	.00300	.03250
3.000	15.255	.02500	.04840	.03300	.04500	.02340	.01200	.03250
3.000	16.233	.03330	.06770	.05500	.05400	.03440	-.00100	.04340
3.000	18.213	.02500	.05800	.04400	.04500	.03300	.00100	.03250
3.000	20.320	.01670	.03870	.02200	.03600	.02200	.01400	.02170
3.000	22.860	.02500	.04840	.03300	.04500	.02340	.01200	.03250
3.000	25.485	.01670	.03870	.02200	.03600	.02200	.01400	.02170
	GRADIENT	-.00376	-.00434	-.00492	-.00402	-.00058	.00089	-.00483

AMES 118-1-87 OA145C 01 (D2H079) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	40.000
RN/L =	2.500		

RUN NO. 144/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-9.494	.04170	.03870	.02200	.03600	-.00300	.01400	-11.51600
3.000	-4.936	.03330	.02900	.02200	.02700	-.00430	.00500	-6.00640
3.000	-2.427	.04170	.03870	.03300	.03600	-.00300	.00300	-2.95630
3.000	.018	.05000	.05800	.04400	.05400	.00800	.01000	.02170
3.000	2.544	.05000	.05800	.04400	.05400	.00800	.01000	3.09800
3.000	5.018	.04170	.04840	.03300	.04500	.00670	.01200	6.10560
3.000	10.010	.04170	.03870	.03300	.03600	-.00300	.00300	12.13600
	GRADIENT	.00234	.00426	.00309	.00397	.00192	.00088	1.21729

AMES 118-1-87 OA145C 01 (D2H080) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	40.000
RN/L =	2.500		

RUN NO. 143/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-22.746	.03330	.02900	.02200	.02700	-.00430	.00500	-27.05700
3.000	-17.927	.05000	.04840	.04400	.04500	-.00160	.00100	-21.51100
3.000	-14.925	.03330	.02900	.02200	.03600	-.00430	.01400	-17.99100
3.000	-9.476	.04170	.03870	.03300	.03600	-.00300	.00300	-11.49400
3.000	-4.936	.05830	.05800	.05500	.05400	-.00030	-.00100	-6.00640
3.000	-2.427	.05000	.04840	.04400	.04500	-.00160	.00100	-2.95630
3.000	.000	.04170	.03870	.03300	.04500	-.00300	.01200	.00000
3.000	2.504	.05000	.03870	.03300	.03600	-.01130	.00300	3.05000
3.000	4.998	.03330	.02900	.02200	.02700	-.00430	.00500	6.08130
3.000	9.999	.05000	.03870	.03300	.03600	-.01130	.00300	12.12300
3.000	15.038	.05000	.04840	.03300	.04600	-.00160	.01200	18.12400
3.000	22.834	.04170	.02900	.02200	.02700	-.01260	.00500	27.15700
	GRADIENT	-.00202	-.00273	-.00310	-.00254	-.00071	.00056	1.21705

AMES 118-1-87 OA145C 01 (D2H081) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	40.000
RN/L =	2.500		

RUN NO. 145/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-9.476	.04170	.03870	.03300	.03600	-.00300	.00300	-11.49400
3.000	-4.936	.05000	.04840	.04400	.04500	-.00160	.00100	-6.00640
3.000	-2.427	.05000	.05800	.04400	.04500	.00800	.00100	-2.95630
3.000	.009	.03330	.03870	.02200	.03600	.00540	.01400	.01080
3.000	2.524	.05000	.04840	.03300	.04500	-.00160	.01200	3.07400
3.000	5.008	.04170	.03870	.03300	.04500	-.00300	.01200	6.09340
3.000	9.999	.05000	.04840	.04400	.04500	-.00160	.00100	12.12300
	GRADIENT	-.00066	-.00076	-.00220	-.00036	-.00010	.00185	1.21728

AMES 118-1-87 OA145C 01 (D2H082) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	40.000
RN/L =	2.500		

RUN NO. 146/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-22.724	.05000	.05800	.04400	.05400	.00800	.01000	-27.03100
3.000	-17.927	.05000	.04840	.04400	.04500	-.00160	.00100	-21.51100
3.000	-14.914	.05000	.05800	.04400	.05400	.00800	.01000	-17.97800
3.000	-9.485	.03330	.03870	.02200	.03600	.00540	.01400	-11.50500
3.000	-4.936	.03330	.02900	.01100	.02700	-.00430	.01600	-6.00640
3.000	-2.417	.04170	.04840	.03300	.04500	.00670	.01200	-2.94410
3.000	.027	.05000	.05800	.04400	.05400	.00800	.01000	.03230
3.000	2.544	.06660	.06770	.06600	.06300	.00100	-.00300	3.09800
3.000	5.008	.05830	.05800	.05500	.05400	-.00030	-.00100	6.09340
3.000	9.999	.05000	.04840	.04400	.04500	-.00160	.00100	12.12300
3.000	15.006	.04170	.04840	.03300	.04500	.00670	.01200	18.08600
3.000	22.845	.05000	.05800	.04400	.05400	.00800	.01000	27.17000
	GRADIENT	.00435	.00505	.00708	.00470	.00069	-.00237	1.21728

AMES 118-1-87 OA145C 01 (D2H083) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 142/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.319	.00830	.04840	.04400	.04500	.04000	.00100	-6.00640
3.000	-4.203	.01670	.05800	.04400	.05400	.04140	.01000	-5.99410
3.000	-2.107	.00000	.03870	.02200	.03600	.03870	.01400	-6.01870
3.000	-1.046	.00830	.04840	.04400	.04500	.04000	.00100	-5.99410
3.000	.006	-.02170	.00970	.00000	.00900	.03130	.00900	-6.04340
3.000	1.104	.02500	.06770	.06600	.06300	.04270	-.00300	-5.98170
3.000	2.166	.00830	.04840	.04400	.04500	.04000	.00100	-6.00640
3.000	3.190	.04170	.03870	.03300	.04500	-.00300	.01200	-6.00640
3.000	4.242	.02500	.02900	.02200	.02700	.00400	.00500	-6.01870
3.000	6.395	.04170	.03870	.03300	.03600	-.00300	.00300	-6.00640
	GRADIENT	.00291	-.00164	-.00046	-.00108	-.00455	-.00062	-.00105

AMES 118-1-87 OA145C 01 (D2H084) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 147/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.319	.05000	.04840	.03300	.03600	-.00160	.00300	-6.01870
3.000	2.549	.05830	.04840	.04400	.04500	-.01000	.00100	-6.00640
3.000	5.02[illegible]	.03330	.05800	.04400	.04500	.02470	.00100	-6.00640
3.000	7.574	.02500	.03870	.03300	.03600	.01370	.00300	-6.01870
3.000	10.067	.00830	.01930	.01100	.01800	.01100	.00700	-6.04340
3.000	12.120	.01670	.02900	.02200	.02700	.01240	.00500	-6.03100
3.000	14.135	.01670	.02900	.01100	.02700	.01240	.01600	-6.03100
3.000	15.177	.02500	.03870	.03300	.03600	.01370	.00300	-6.01870
3.000	16.183	.02500	.03870	.03300	.03600	.01370	.00300	-6.01870
3.000	18.213	.02500	.05800	.04400	.04500	.03300	.00100	-6.00640
3.000	20.257	.03330	.04840	.03300	.03600	.01500	.00300	-6.00640
3.000	22.693	.03330	.03870	.03300	.03600	.00540	.00300	-6.01870
3.000	25.422	.01670	.02900	.01100	.02700	.01240	.01600	-6.03100
	GRADIENT	.00372	.00000	.00493	.00404	-.00377	-.00090	.00552

AMES 118-1-87 OA145C 01 (D2H085) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 129/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.305	.03330	.06770	.06600	.04500	.03440	-.02100	.03250
3.000	2.550	.01670	.03870	.03300	.01800	.02200	-.01500	.01080
3.000	5.011	.04170	.05800	.05500	.03600	.01640	-.01900	.02170
3.000	7.588	.04170	.05800	.05500	.03600	.01640	-.01900	.02170
3.000	10.077	.04170	.05800	.04400	.03600	.01640	-.00800	.02170
3.000	12.145	.02500	.03870	.03300	.01800	.01370	-.01500	.01080
3.000	14.169	.00000	.04840	.03300	.02700	.04840	-.00600	.02170
3.000	15.180	.00000	.04840	.03300	.02700	.04840	-.00600	.02170
3.000	16.169	-.02170	.03870	.02200	.02700	.06030	.00500	.01080
3.000	18.193	.02500	.05800	.03300	.03600	.03300	.00300	.03250
3.000	20.245	.03330	.05800	.03300	.03600	.02470	.00300	.03250
3.000	22.750	.02500	.04840	.02200	.02700	.02340	.00500	.02170
3.000	25.455	.02500	.05800	.03300	.03600	.03300	.00300	.02170
	GRADIENT	-.00739	-.01292	-.01470	-.01203	-.00552	.00267	-.00966

AMES 118-1-87 OA145C 01 (D2H086) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 132/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.326	.03330	.05800	.05500	.04500	.02470	-.01000	.03250
3.000	-4.215	.01670	.03870	.02200	.02700	.02200	.00500	.01080
3.000	-2.121	.02500	.03870	.04400	.03600	.01370	-.00800	.01080
3.000	-1.046	.00000	.01930	.00000	.00900	.01930	.00900	.00000
3.000	.009	.06660	.09670	.08800	.08100	.03010	-.00700	.05420
3.000	1.109	.05000	.07740	.06600	.06300	.02740	-.00300	.04340
3.000	2.153	.02500	.03870	.02200	.02700	.01370	.00500	.00000
3.000	3.214	.01670	.02900	.01100	.01800	.01240	.00700	.00000
3.000	4.289	.03330	.05800	.04400	.04500	.02470	.00100	.01080
3.000	6.379	.03330	.05800	.04400	.04500	.02470	.00100	.01080
	GRADIENT	.00149	.00139	.00059	.00089	-.00009	.00030	-.00051

AMES 118-1-87 OA145C 01 (D2H087) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 131/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.308	.01670	.05800	.03300	.03600	.04140	.00300	.02170
3.000	2.558	.01670	.05800	.03300	.03600	.04140	.00300	.02170
3.000	5.002	-.02170	.03870	.02200	.01800	.06030	-.00400	.00000
3.000	7.589	.00830	.05800	.03300	.03600	.04970	.00300	.02170
3.000	10.079	.01670	.05800	.04400	.04500	.04140	.00100	.02170
3.000	12.159	-.02170	.04840	.03300	.03600	.07000	.00300	.01080
3.000	14.157	-.01080	.06770	.04400	.04500	.07850	.00100	.02170
3.000	15.192	-.03250	.04840	.03300	.03600	.08080	.00300	.02170
3.000	16.175	-.04330	.03870	.02200	.02700	.08200	.00500	.01080
3.000	18.190	-.05410	.04840	.03300	.03600	.10250	.00300	.01080
3.000	20.247	.02500	.04840	.03300	.03600	.02340	.00300	.02170
3.000	22.761	.03330	.05800	.04400	.04500	.02470	.00100	.02170
3.000	25.423	.02500	.05800	.04400	.04500	.03300	.00100	.02170
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00000

AMES 118-1-87 OA145C 01 (D2H088) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	70.000
RN/L =	2.500		

RUN NO. 135/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-9.503	.01670	.03870	.02200	.02700	.02200	.00500	-11.52700
3.000	-4.916	.02500	.05800	.03300	.04500	.03300	.01200	-5.98170
3.000	-2.447	.00830	.02900	.01100	.01800	.02070	.00700	-2.98060
3.000	.027	.01670	.04840	.02200	.02700	.03170	.00500	.03250
3.000	2.504	.03330	.06770	.04400	.04500	.03440	.00100	3.05000
3.000	5.008	.02500	.04840	.03300	.03600	.02340	.00300	6.09340
3.000	10.021	.02500	.04840	.03300	.03600	.02340	.00300	12.14900
	GRADIENT	.00135	.00196	.00178	.00037	.00062	-.00141	1.21728

AMES 118-1-87 OA145C 01 (D2H089) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	70.000
RN/L =	2.500		

RUN NO. 134/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-17.957	.02500	.04840	.03300	.03600	.02340	.00300	-21.54600
3.000	-14.990	.00000	.01930	.00000	.00000	.01930	.00000	-18.06600
3.000	-9.485	.00830	.02900	.01100	.01800	.02070	.00700	-11.50500
3.000	-4.946	.02500	.04840	.02200	.03600	.02340	.01400	-6.01870
3.000	-2.427	.02500	.04840	.03300	.03600	.02340	.00300	-2.95630
3.000	.018	.03330	.04840	.03300	.03600	.01500	.00300	.02170
3.000	2.504	.04170	.05800	.04400	.04500	.01640	.00100	3.05000
3.000	4.998	.01670	.04840	.02200	.03600	.03170	.01400	6.08130
3.000	10.010	.01670	.04840	.03300	.03600	.03170	.00300	12.13600
3.000	15.027	.03330	.06770	.04400	.04500	.03440	.00100	18.11100
	GRADIENT	-.00000	.00039	.00044	.00036	.00039	-.00008	1.21704

AMES 118-1-87 OA145C 01 (D2H090) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	70.000
RN/L =	2.500		

RUN NO. 136/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-9.476	.00830	.05800	.04400	.03600	.04970	-.00800	-11.49400
3.000	-4.926	.00830	.05800	.04400	.04500	.04970	.00100	-5.99410
3.000	-2.447	-.01080	.02900	.01100	.01800	.03980	.00700	-2.98060
3.000	.009	-.02170	.02900	.00000	.01800	.05070	.01800	.01080
3.000	2.534	.01670	.07740	.05500	.05400	.06070	-.00100	3.08600
3.000	5.008	.00000	.04840	.03300	.03600	.04840	.00300	6.09340
3.000	10.021	.00830	.06770	.04400	.04500	.05940	.00100	12.14900
	GRADIENT	.00060	.00238	.00093	.00111	.00177	.00019	1.21729

AMES 118-1-87 OA145C 01 (D2H091) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	70.000
RN/L =	2.500		

RUN NO. 137/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-17.957	.01670	.03870	.03300	.03600	.02200	.00300	-21.54600
3.000	-14.947	.00830	.02900	.02200	.02700	.02070	.00500	-18.01600
3.000	-9.448	.02500	.04840	.04400	.04500	.02340	.00100	-11.46100
3.000	-4.936	.01670	.03870	.03300	.03600	.02200	.00300	-6.00640
3.000	-2.437	.02500	.04840	.03300	.04500	.02340	.01200	-2.96850
3.000	.009	.01670	.04840	.03300	.04500	.03170	.01200	.01080
3.000	2.514	.00830	.02900	.02200	.03600	.02070	.01400	3.06200
3.000	5.008	.01670	.03870	.03300	.03600	.02200	.00300	6.09340
3.000	10.031	.02500	.03870	.03300	.04500	.01370	.01200	12.16200
3.000	15.038	.02500	.04840	.04400	.05400	.02340	.01000	18.12400
	GRADIENT	-.00135	-.00118	-.00133	-.00000	.00017	.00133	1.21729

AMES 118-1-87 OA145C 01 (D2H092) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 133/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.309	.03330	.04840	.03300	.03600	.01500	.00300	.03250
3.000	-4.197	.01670	.03870	.02200	.02700	.02200	.00500	-6.00640
3.000	-2.085	.03330	.05800	.04400	.04500	.02470	.00100	-5.99410
3.000	-1.046	.05830	.08700	.07700	.07200	.02870	-.00500	-5.95710
3.000	-.008	.02500	.04840	.02200	.02700	.02340	.00500	-6.00640
3.000	1.107	.02500	.04840	.03300	.03600	.02340	.00300	-6.00640
3.000	2.173	.01670	.03870	.02200	.02700	.02200	.00500	-6.01870
3.000	3.234	.02500	.05800	.03300	.03600	.03300	.00300	-6.00640
3.000	4.279	.01670	.03870	.02200	.02700	.02200	.00500	-6.01870
3.000	6.410	.02500	.04840	.02200	.03600	.02340	.01400	-6.00640
	GRADIENT	-.00139	-.00113	-.00175	-.00143	.00026	.00032	-.00307

AMES 118-1-87 OA145C 01 (D2H093) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 130/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.317	.03330	.04840	.03300	.02700	.01500	-.00600	-6.00640
3.000	2.564	.03330	.04840	.02200	.02700	.01500	.00500	-6.01870
3.000	5.019	.03330	.04840	.03300	.03600	.01500	.00300	-6.00640
3.000	7.582	.03330	.04840	.02200	.02700	.01500	.00500	-6.00640
3.000	10.079	.04170	.06770	.05500	.05400	.02600	-.00100	-5.99410
3.000	12.175	.00830	.04840	.02200	.02700	.04000	.00500	-6.01870
3.000	14.146	.00000	.04840	.02200	.02700	.04840	.00500	-6.01870
3.000	15.197	.02500	.06770	.03300	.04500	.04270	.01200	-5.99410
3.000	16.161	.00000	.03870	.02200	.02700	.03870	.00500	-6.01870
3.000	18.194	.01670	.04840	.02200	.02700	.03170	.00500	-6.01870
3.000	20.265	.02500	.05800	.04400	.04500	.03300	.00100	-5.99410
3.000	22.776	.00830	.04840	.02200	.02700	.04000	.00500	-6.01870
3.000	25.424	.00830	.03870	.02200	.02700	.03040	.00500	-6.01870
	GRADIENT	.00000	.00000	-.00489	.00000	.00000	.00489	-.00547

AMES 118-1-87 OA145C 01 (D2H094) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 114/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.175	.01670	.02900	.03300	.00900	.01240	-.02400	.00000
3.000	2.544	.02500	.04840	.05500	.02700	.02340	-.02800	.02170
3.000	5.049	.02500	.05800	.05500	.02700	.03300	-.02800	.02170
3.000	7.194	.01670	.04840	.03300	.01800	.03170	-.01500	.01080
3.000	10.118	.00000	.02900	.01100	.00900	.02900	-.00200	.00000
3.000	12.188	.02500	.04840	.03300	.02700	.02340	-.00600	.02170
3.000	14.164	.00830	.02900	.01100	.00900	.02070	-.00200	.00000
3.000	15.169	.00000	.01930	.00000	.00000	.01930	.00000	.00000
3.000	16.187	.01670	.04840	.03300	.02700	.03170	-.00600	.01080
3.000	18.198	.01670	.03870	.02200	.01800	.02200	-.00400	.01080
3.000	20.260	.00830	.04840	.03300	.01800	.04000	-.01500	.01080
3.000	21.730	.00830	.04840	.02200	.01800	.04000	-.00400	.01080
3.000	22.743	.02500	.04840	.03300	.02700	.02340	-.00600	.01080
	GRADIENT	.00350	.00819	.00928	.00760	.00464	-.00169	.00916

AMES 118-1-87 OA145C 01 (D2H095) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 935.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 120/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.270	.02500	.03870	.03300	.01800	.01370	-.01500	.04340
3.000	-4.199	.03330	.03870	.03300	.01800	.00540	-.01500	.04340
3.000	-2.065	.03330	.04840	.04400	.02700	.01500	-.01700	.04340
3.000	-1.012	.03330	.03870	.03300	.01800	.00540	-.01500	.03250
3.000	.066	.02500	.03870	.03300	.01800	.01370	-.01500	.03250
3.000	1.116	.03330	.04840	.04400	.02700	.01500	-.01700	.04340
3.000	2.169	.02500	.02900	.03300	.01800	.00400	-.01500	.03250
3.000	3.203	.03330	.03870	.03300	.02700	.00540	-.00600	.03250
3.000	4.254	.03330	.04840	.04400	.02700	.01500	-.01700	.03250
3.000	6.387	.05000	.05800	.05500	.03600	.00800	-.01900	.04340
	GRADIENT	-.00020	.00004	.00039	.00077	.00024	.00038	-.00127

AMES 118-1-87 OA145C 01 (D2H096) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	2.500		

RUN NO. 118/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.387	.03330	.05800	.04400	.02700	.02470	-.01700	.03250
3.000	-4.280	.03330	.04840	.03300	.02700	.01500	-.00600	.02170
3.000	-2.179	.03330	.05800	.04400	.02700	.02470	-.01700	.02170
3.000	-1.128	.04170	.05800	.04400	.02700	.01640	-.01700	.02170
3.000	-.058	.03330	.03870	.03300	.01800	.00540	-.01500	.02170
3.000	1.001	.04170	.03870	.02200	.01800	-.00300	-.00400	.01080
3.000	2.075	.03330	.03870	.02200	.01800	.00540	-.00400	.01080
3.000	3.136	.03330	.02900	.02200	.00900	-.00430	-.01300	.00000
3.000	4.197	.05000	.04840	.04400	.02700	-.00160	-.01700	.01080
3.000	6.304	.04170	.04840	.03300	.01800	.00670	-.01500	.01080
	GRADIENT	.00102	-.00199	-.00104	-.00121	-.00301	-.00017	-.00229

AMES 118-1-87 OA145C 01 (D2H097) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	2.500		

RUN NO. 117/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.277	.03330	.04840	.03300	.02700	.01500	-.00600	.03250
3.000	-4.176	.04170	.05800	.04400	.03600	.01640	-.00800	.04340
3.000	-2.054	.02500	.03870	.03300	.01800	.01370	-.01500	.03250
3.000	-.995	.03330	.04840	.03300	.02700	.01500	-.00600	.04340
3.000	.066	.04170	.04840	.04400	.02700	.00670	-.01700	.04340
3.000	1.134	.04170	.05800	.05500	.03600	.01640	-.01900	.04340
3.000	2.178	.03330	.04840	.04400	.02700	.01500	-.01700	.03250
3.000	3.241	.04170	.05800	.05500	.03600	.01640	-.01900	.04340
3.000	4.251	.06660	.08700	.08800	.06300	.02040	-.02500	.06500
3.000	6.340	.02500	.02900	.03300	.01800	.00400	-.01500	.02170
	GRADIENT	.00241	.00287	.00447	.00267	.00046	-.00180	.00163

AMES 118-1-87 OA145C 01 (D2H098) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 115/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.323	.03330	.04840	.07700	.02700	.01500	-.05000	.00000
3.000	2.550	.01670	.02900	.02200	.00900	.01240	-.01300	.00000
3.000	5.038	.00830	.02900	.01100	.00900	.02070	-.00200	-.01250
3.000	7.769	.01670	.04840	.03300	.02700	.03170	-.00600	.00000
3.000	10.189	.00830	.02900	.02200	.00900	.02070	-.01300	.00000
3.000	12.229	.01670	.03870	.03300	.01800	.02200	-.01500	.00000
3.000	14.234	.01670	.04840	.04400	.02700	.03170	-.01700	.00000
3.000	15.262	.01670	.03870	.04400	.02700	.02200	-.01700	.00000
3.000	16.274	.01670	.04840	.04400	.02700	.03170	-.01700	.01080
3.000	18.221	.02500	.03870	.03300	.02700	.01370	-.00600	.01080
3.000	20.373	.01670	.05800	.04400	.03600	.04140	-.00800	.01080
3.000	22.882	.00830	.04840	.02200	.02700	.04000	.00500	.01080
3.000	25.485	.00000	.02900	.02200	.00900	.02900	-.01300	.00000
	GRADIENT	-.00745	-.00871	-.02469	-.00808	-.00117	.01661	.00000

AMES 118-1-87 OA145C 01 (D2H099) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 2.500

RUN NO. 121/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-9.494	.02500	.03870	.02200	.01800	.01370	-.00400	-11.51600
3.000	-4.926	.03330	.04840	.03300	.02700	.01500	-.00600	-5.99410
3.000	-2.417	.05000	.05800	.05500	.03600	.00800	-.01900	-2.94410
3.000	.009	.03330	.04840	.03300	.02700	.01500	-.00600	.01080
3.000	2.514	.02500	.02900	.02200	.00900	.00400	-.01300	3.06200
3.000	5.008	.04170	.04840	.04400	.03600	.00670	-.00800	6.09340
3.000	10.010	.02500	.03870	.02200	.01800	.01370	-.00400	12.13600
	GRADIENT	-.00167	-.00274	-.00221	-.00254	-.00106	-.00034	1.21728

AMES 118-1-87 OA145C 01 (D2H0A0) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	2.500		

RUN NO. 122/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-17.937	.04170	.04840	.04400	.03600	.00670	-.00800	-21.52300
3.000	-14.968	.04170	.04840	.04400	.03600	.00670	-.00800	-18.04100
3.000	-9.494	.04170	.04840	.04400	.02700	.00670	-.01700	-11.51600
3.000	-4.926	.03330	.04840	.03300	.02700	.01500	-.00600	-5.99410
3.000	-2.447	.01670	.02900	.01100	.00900	.01240	-.00200	-2.98060
3.000	.018	.02500	.02900	.02200	.00900	.00400	-.01300	.02170
3.000	2.534	.03330	.03870	.03300	.01800	.00540	-.01500	3.08600
3.000	5.028	.03330	.04840	.04400	.02700	.01500	-.01700	6.11780
3.000	10.021	.03330	.04840	.03300	.02700	.01500	-.00600	12.14900
3.000	15.038	.03330	.05800	.04400	.03600	.02470	-.00800	18.12400
	GRADIENT	.00034	-.00116	.00045	-.00108	-.00149	-.00153	1.21729

AMES 118-1-87 OA145C 01 (D2H0A1) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	2.500		

RUN NO. 123/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-9.503	.00000	.03870	.02200	.01800	.03870	-.00400	-11.52700
3.000	-4.936	.02500	.02900	.01100	.00900	.00400	-.00200	-6.00640
3.000	-2.437	.03330	.03870	.03300	.02700	.00540	-.00600	-2.96850
3.000	.009	.02500	.03870	.02200	.01800	.01370	-.00400	.01080
3.000	2.524	.04170	.05800	.04400	.03600	.01640	-.00800	3.07400
3.000	5.008	.04170	.04840	.03300	.02700	.00670	-.00600	6.09340
3.000	10.031	.03330	.03870	.02200	.01800	.00540	-.00400	12.16200
	GRADIENT	.00169	.00351	.00356	.00291	.00183	-.00065	1.21728

AMES 118-1-87 OA145C 01 (D2H0A2) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 2.500

RUN NO. 124/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-9.512	.02500	.02900	.02200	.00900	.00400	-.01300	-11.53800
3.000	-4.916	.03330	.03870	.03300	.02700	.00540	-.00600	-5.98170
3.000	-2.447	.03330	.03870	.02200	.01800	.00540	-.00400	-2.98060
3.000	.000	.03330	.03870	.02200	.01800	.00540	-.00400	.00000
3.000	2.504	.04170	.03870	.03300	.02700	-.00300	-.00600	3.05000
3.000	5.038	.05000	.05800	.04400	.03600	.00800	-.00800	6.12990
3.000	10.010	.04170	.04840	.04400	.02700	.00670	-.01700	12.13600
	GRADIENT	.00102	-.00000	.00001	.00001	-.00102	-.00000	1.21728

AMES 118-1-87 OA145C 01 (D2H0A3) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = -5.000
RN/L = 2.500

RUN NO. 119/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.368	.05000	.04840	.04400	.02700	-.00160	-.01700	-6.05570
3.000	-4.279	.03330	.02900	.02200	.00900	-.00430	-.01300	-6.08040
3.000	-2.187	.05000	.04840	.04400	.02700	-.00160	-.01700	-6.06800
3.000	-1.134	.02500	.04840	.02200	.02700	.02340	.00500	-6.06800
3.000	-.055	.03330	.04840	.03300	.02700	.01500	-.00600	-6.09270
3.000	1.006	.04170	.05800	.04400	.02700	.01640	-.01700	-6.09270
3.000	2.064	.03330	.04840	.04400	.02700	.01500	-.01700	-6.09270
3.000	3.137	.02500	.04840	.04400	.02700	.02340	-.01700	-6.10500
3.000	4.201	.00830	.02900	.02200	.00900	.02070	-.01300	-6.12970
3.000	6.304	.02500	.05800	.04400	.02700	.03300	-.01700	-6.10500
	GRADIENT	-.00256	.00038	.00096	.00025	.00294	-.00071	-.00593

AMES 118-1-87 OA145C 01 (D2H0A4) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 116/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.170	.02500	.03870	.03300	.01800	.01370	-.01500	-6.00640
3.000	2.564	.00000	.04840	.04400	.02700	.04840	-.01700	-5.99410
3.000	5.011	.00830	.04840	.03300	.02700	.04000	-.00600	-5.99410
3.000	7.792	.09160	.05800	.04400	.03600	-.03360	-.00800	-5.98170
3.000	10.088	.02500	.03870	.02200	.01800	.01370	-.00400	-6.00640
3.000	12.131	.03330	.03870	.02200	.01800	.00540	-.00400	-6.00640
3.000	14.150	.04170	.04840	.03300	.02700	.00670	-.00600	-5.99410
3.000	15.176	.02500	.02900	.00000	.00900	.00400	.00900	-6.01870
3.000	16.181	.03330	.03870	.02200	.02700	.00540	.00500	-6.00640
3.000	18.199	.02500	.03870	.02200	.01800	.01370	-.00400	-6.00640
3.000	20.250	.01670	.04840	.03300	.02700	.03170	-.00600	-5.99410
3.000	22.757	.04170	.04840	.05500	.03600	.00670	-.01900	-5.98170
3.000	25.431	.03330	.03870	.04400	.02700	.00540	-.01700	-6.01870
	GRADIENT	-.01044	.00405	.00460	.00376	.01450	-.00084	.00514

AMES 118-1-87 OA145C 01 (D2H0A5) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	2.500		

RUN NO. 125/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-11.772	.04170	.03870	.03300	.02700	-.00300	-.00600	.01080
3.000	-8.031	.02500	.02900	.01100	.00900	.00400	-.00200	.00000
3.000	-3.894	.04170	.04840	.03300	.02700	.00670	-.00600	.01080
3.000	.029	.04170	.03870	.02200	.02700	-.00300	.00500	.01080
3.000	3.996	.04170	.03870	.02200	.01800	-.00300	-.00400	.00000
3.000	7.980	.02500	.02900	.00000	.00900	.00400	.00900	.00000
3.000	12.090	.03330	.03870	.03300	.01800	.00540	-.01500	.00000
3.000	16.349	.03330	.03870	.02200	.01800	.00540	-.00400	.00000
3.000	22.613	.05000	.04840	.04400	.03600	-.00160	-.00800	.01080
	GRADIENT	-.00000	-.00123	-.00139	-.00114	-.00123	.00025	-.00137

AMES 118-1-87 OA145C 01 (D2H0A6) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	-11.700	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 159/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-22.758	.00830	.01930	.02200	.01800	.01100	-.00400	-27.07000
3.000	-17.947	.00830	.01930	.02200	.01800	.01100	-.00400	-21.53400
3.000	-14.947	.01670	.02900	.04400	.02700	.01240	-.01700	-18.01600
3.000	-9.467	.02500	.03870	.05500	.03600	.01370	-.01900	-11.48300
3.000	-4.936	.00830	.01930	.03300	.01800	.01100	-.01500	-6.00640
3.000	-2.447	.00830	.00970	.02200	.00900	.00130	-.01300	-2.98060
3.000	.018	.00830	.01930	.03300	.01800	.01100	-.01500	.02170
3.000	2.534	.01670	.02900	.04400	.02700	.01240	-.01700	3.08600
3.000	5.008	.01670	.02900	.04400	.02700	.01240	-.01700	6.09340
3.000	9.999	.01670	.02900	.04400	.02700	.01240	-.01700	12.12300
	GRADIENT	.00102	.00156	.00177	.00145	.00056	-.00032	1.21729

AMES 118-1-87 OA145C 01 (D2H0A7) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	16.300	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 158/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-22.746	.01670	.01930	.03300	.01800	.00270	-.01500	-27.05700
3.000	-17.917	.00830	.01930	.03300	.01800	.01100	-.01500	-21.49900
3.000	-14.968	.00830	.00970	.02200	.00900	.00130	-.01300	-18.04100
3.000	-9.457	.02500	.03870	.05500	.03600	.01370	-.01900	-11.47200
3.000	-4.956	.00830	.01930	.03300	.01800	.01100	-.01500	-6.03100
3.000	-2.437	.01670	.02900	.03300	.02700	.01240	-.00600	-2.96850
3.000	.036	.02500	.03870	.05500	.03600	.01370	-.01900	.04340
3.000	2.524	.03330	.04840	.06600	.04500	.01500	-.02100	3.07400
3.000	5.008	.03330	.03870	.05500	.03600	.00540	-.01900	6.09340
3.000	9.999	.01670	.02900	.04400	.02700	.01240	-.01700	12.12300
	GRADIENT	.00334	.00389	.00485	.00361	.00053	-.00124	1.21726

AMES 118-1-87 OA145C 01 (D2H0A8) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 160/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.321	.01670	.02900	.04400	.02700	.01240	-.01700	-6.00640
3.000	-4.230	.01670	.03870	.05500	.03600	.02200	-.01900	-5.99410
3.000	-2.117	.00830	.03870	.04400	.03600	.03040	-.00800	-6.00640
3.000	-.991	.00000	.00970	.02200	.00900	.00970	-.01300	-6.01870
3.000	-.000	.00000	.01930	.03300	.01800	.01930	-.01500	-6.00640
3.000	1.113	.00830	.03870	.04400	.03600	.03040	-.00800	-5.99410
3.000	2.146	.00000	.01930	.03300	.01800	.01930	-.01500	-6.00640
3.000	3.211	.00830	.02900	.04400	.02700	.02070	-.01700	-6.00640
3.000	4.252	.00000	.01930	.03300	.01800	.01930	-.01500	-5.99410
3.000	6.375	.00000	.01930	.02200	.01800	.01930	-.00400	-6.00640
	GRADIENT	-.00124	-.00152	-.00136	-.00141	-.00028	-.00005	.00028

AMES 118-1-87 OA145C 01 (D2H0A9) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 162/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.303	.03330	.03870	.04400	.03600	.00540	-.00800	-5.99410
3.000	-4.215	.03330	.04840	.05500	.03600	.01500	-.01900	-5.98170
3.000	-2.112	.01670	.02900	.03300	.01800	.01240	-.01500	-6.00640
3.000	-.983	.02500	.02900	.03300	.02700	.00400	-.00600	-6.00640
3.000	-.005	.00830	.00970	.02200	.00900	.00130	-.01300	-6.01870
3.000	1.120	.04170	.04840	.05500	.04500	.00670	-.01000	-5.98170
3.000	2.141	.02500	.02900	.03300	.02700	.00400	-.00600	-6.00640
3.000	3.196	.00830	.00970	.01100	.00900	.00130	-.00200	-6.03100
3.000	4.261	.03330	.03870	.05500	.03600	.00540	-.01900	-5.99410
3.000	6.336	.02500	.02900	.04400	.02700	.00400	-.01700	-6.00640
	GRADIENT	-.00023	-.00151	-.00105	-.00025	-.00128	.00080	-.00202

AMES 118-1-87 OA145C 01 (D2H080) (06 JUL 77)

REFERENCE DATA

SPEF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 154/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-14.942	-14.93000	-14.93800	-14.96000	-14.94200	-.00780	.01880	.02170
3.000	-12.947	-12.94100	-12.93800	-12.95600	-12.95200	.00350	.00310	.02170
3.000	-9.964	-9.95400	-9.96450	-9.97600	-9.96250	-.01050	.01350	.01080
3.000	-7.947	-7.94880	-7.94070	-7.94600	-7.95320	.00810	-.00720	.01080
3.000	-4.943	-4.95720	-4.93040	-4.95100	-4.93350	.02680	.01750	.02170
3.000	-3.929	-3.92760	-3.92440	-3.92530	-3.93800	.00320	-.01270	.02170
3.000	-1.920	-1.93160	-1.90000	-1.93000	-1.91850	.03160	.01150	.03250
3.000	.041	.04170	.04840	.02200	.05400	.00670	.03200	.03250
3.000	2.041	2.07980	2.03000	2.01530	2.03780	-.04980	.02250	.03250
3.000	4.032	4.03500	4.03240	4.02650	4.03340	-.00260	.00690	.03250
3.000	6.016	6.00100	6.01290	6.02390	6.02820	.01200	.00430	.02170
3.000	8.018	8.00480	8.00800	8.02330	8.03700	.00320	.01370	.02170
3.000	10.026	10.03100	10.00300	10.02800	10.04100	-.02770	.01260	.02170
	GRADIENT	1.00322	.99816	.99868	.99996	-.00506	.00128	.00131

AMES 118-1-87 OA145C 01 (D2H0B1) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 153/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-14.948	-14.93000	-14.93800	-14.97100	-14.95200	-.00780	.01900	.02170
3.000	-12.964	-12.94100	-12.96600	-12.97500	-12.97300	-.02500	.00160	.01080
3.000	-9.944	-9.93300	-9.94550	-9.95700	-9.94020	-.01250	.01680	.02170
3.000	-7.942	-7.93910	-7.94070	-7.94600	-7.94310	-.00150	.00290	.02170
3.000	-6.474	-4.99450	-7.94070	-7.13200	-5.82710	-2.94610	1.30480	.02170
3.000	-4.943	-4.94780	-4.93970	-4.95100	-4.93350	.00810	.01750	.02170
3.000	-3.931	-3.93630	-3.92440	-3.92530	-3.93800	.01190	-.01270	.03250
3.000	-1.949	-1.94050	-1.95000	-1.96000	-1.94460	-.00950	.01540	.00000
3.000	.023	.00830	.03870	.01100	.03600	.03040	.02500	.02170
3.000	2.038	2.06010	2.03000	2.01530	2.04760	-.03010	.03230	.02170
3.000	4.030	4.03500	4.02310	4.02650	4.03340	-.01190	.00690	.03250
3.000	5.025	5.02900	5.02230	5.01310	5.03760	-.00670	.02450	.03250
3.000	8.027	8.02830	8.00800	8.02330	8.04850	-.02030	.02520	.02170
3.000	10.021	10.01100	10.01100	10.02000	10.04100	-.00040	.02110	.01080
	GRADIENT	1.00170	.99876	.99898	1.00054	-.00295	.00156	.00072

AMES 118-1-87 OA145C 01 (D2H082) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	10.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 156/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-11.772	10.03100	10.00300	10.02800	10.02200	-.02770	-.00680	.02170
3.000	-8.031	10.02100	9.99500	10.02000	10.01200	-.02600	-.00790	.01080
3.000	-5.979	10.02100	9.99500	10.01100	10.00200	-.02600	-.00910	.01080
3.000	-3.894	10.04000	10.01100	10.03700	10.03100	-.02930	-.00560	.03250
3.000	-2.011	10.03100	10.00300	10.02000	10.01200	-.02770	-.00790	.01080
3.000	.049	10.04000	10.01100	10.03700	10.03100	-.02930	-.00560	.03250
3.000	1.960	10.02100	10.00300	10.02000	10.01200	-.01800	-.00790	.02170
3.000	4.007	10.01100	9.99500	10.01100	10.00200	-.01640	-.00910	.01080
3.000	6.020	10.04000	10.01100	10.02800	10.03100	-.02930	.00290	.03250
3.000	8.020	10.04000	10.01100	10.03700	10.03100	-.02930	-.00560	.03250
3.000	12.090	10.02100	10.00300	10.02000	10.02200	-.01800	.00170	.02170
3.000	16.328	10.01100	9.99500	10.01100	10.00200	-.01640	-.00910	.01080
3.000	22.585	10.02100	10.00300	10.02000	10.01200	-.01800	-.00790	.02170
	GRADIENT	-.00343	-.00161	-.00261	-.00291	.00179	-.00035	-.00162

AMES 118-1-87 OA145C 01 (D2H0B3) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-10.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 157/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-11.761	-9.92250	-9.92650	-9.95700	-9.92900	-.00400	.02800	.02170
3.000	-8.031	-9.94350	-9.94550	-9.97600	-9.95130	-.00200	.02470	.01080
3.000	-5.979	-9.94350	-9.93600	-9.97600	-9.94020	.00750	.03580	.01080
3.000	-3.894	-9.92250	-9.91700	-9.95700	-9.91780	.00550	.03920	.03250
3.000	-1.980	-9.92250	-9.91700	-9.95700	-9.91780	.00550	.03920	.03250
3.000	.000	-9.93300	-9.93600	-9.96650	-9.94020	-.00300	.02630	.02170
3.000	1.960	-9.94350	-9.94550	-9.97600	-9.95130	-.00200	.02470	.01080
3.000	4.007	-9.93300	-9.93600	-9.96650	-9.94020	-.00300	.02630	.02170
3.000	5.990	-9.94350	-9.93600	-9.97600	-9.94020	.00750	.03580	.01080
3.000	8.030	-9.93300	-9.92650	-9.96650	-9.92900	.00650	.03750	.02170
3.000	12.080	-9.94350	-9.94550	-9.97600	-9.95130	-.00200	.02470	.01080
3.000	16.349	-9.95400	-9.94550	-9.97600	-9.95130	.00850	.02470	.01080
3.000	22.613	-9.92250	-9.91700	-9.95700	-9.91780	.00550	.03920	.03250
	GRADIENT	-.00212	-.00335	-.00191	-.00395	-.00124	-.00204	-.00218

AMES 11B-1-87 OA145C 01 (D2H0B4) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 180/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.322	-9.93300	-9.94550	-9.96650	-9.94020	-.01250	.02630	.01080
3.000	2.585	-9.93300	-9.93600	-9.95700	-9.94020	-.00300	.01680	.02170
3.000	4.981	-9.94350	-9.94550	-9.96650	-9.95130	-.00200	.01520	.00000
3.000	7.582	-9.94350	-9.94550	-9.96650	-9.94020	-.00200	.02630	.01080
3.000	10.119	-9.92250	-9.92650	-9.95700	-9.92900	-.00400	.02800	.02170
3.000	12.147	-9.92250	-9.92650	-9.95700	-9.92900	-.00400	.02800	.02170
3.000	14.160	-9.94350	-9.94550	-9.97600	-9.95130	-.00200	.02470	.00000
3.000	15.185	-9.94350	-9.94550	-9.97600	-9.95130	-.00200	.02470	.00000
3.000	16.166	-9.92250	-9.92650	-9.95700	-9.91780	-.00400	.03920	.02170
3.000	18.206	-9.93300	-9.93600	-9.96650	-9.94020	-.00300	.02630	.02170
3.000	20.235	-9.93300	-9.93600	-9.96650	-9.92900	-.00300	.03750	.01080
3.000	22.753	-9.93300	-9.94550	-9.96650	-9.94020	-.01250	.02630	.01080
3.000	25.473	-9.94350	-9.93600	-9.97600	-9.94020	.00750	.03580	.01080
	GRADIENT	-.00227	-.00004	-.00004	-.00240	.00224	-.00237	-.00238

AMES 118-1-87 OA145C 01 (D2H085) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 181/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.334	-9.94350	-9.94550	-9.96650	-9.94020	-.00200	.02630	.00000
3.000	2.527	-9.93300	-9.94550	-9.96650	-9.94020	-.01250	.02630	.01080
3.000	4.994	-9.92250	-9.91700	-9.94750	-9.91780	.00550	.02970	.02170
3.000	7.590	-9.93300	-9.93600	-9.96650	-9.94020	-.00300	.02630	.01080
3.000	10.053	-9.93300	-9.94550	-9.96650	-9.94020	-.01250	.02630	.01080
3.000	12.150	-9.92250	-9.92650	-9.95700	-9.92900	-.00400	.02800	.02170
3.000	14.154	-9.92250	-9.92650	-9.95700	-9.92900	-.00400	.02800	.02170
3.000	15.216	-9.96450	-9.97400	-9.99500	-9.97360	-.00950	.02140	.00000
3.000	16.186	-9.95400	-9.96450	-9.97600	-9.95130	-.01050	.02470	.00000
3.000	18.191	-9.93300	-9.93600	-9.96650	-9.92900	-.00300	.03750	.01080
3.000	20.240	-9.92250	-9.92650	-9.96650	-9.92900	-.00400	.03750	.02170
3.000	22.747	-9.92250	-9.92650	-9.95700	-9.92900	-.00400	.02800	.02170
3.000	25.420	-9.94350	-9.94550	-9.97600	-9.94020	-.00200	.03580	.01080
	GRADIENT	.00450	.00623	.00415	.00489	.00173	.00074	.00465

AMES 118-1-87 OA145C 01 (D2H0B6) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 1837 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.324	10.03100	10.01100	10.02800	10.04100	-.01970	.01260	.02170
3.000	2.507	10.03100	10.01900	10.02800	10.05100	-.01170	.02220	.02170
3.000	5.000	10.02100	10.01100	10.01100	10.03100	-.01000	.01990	.01080
3.000	7.570	10.02100	10.01100	10.02000	10.03100	-.01000	.01140	.01080
3.000	10.055	10.00200	10.00300	10.00300	10.02200	.00130	.01870	.00000
3.000	12.140	10.02100	10.01900	10.02800	10.05100	-.00200	.02220	.02170
3.000	14.179	10.02100	10.01100	10.02000	10.04100	-.01000	.02110	.01080
3.000	15.198	10.05000	10.02700	10.04500	10.07000	-.02300	.02460	.03250
3.000	16.222	9.98240	9.98700	9.98600	10.00200	.00460	.01640	.00000
3.000	18.216	10.01100	10.01100	10.01100	10.03100	-.00040	.01990	.01080
3.000	20.251	10.01100	10.01100	10.01100	10.04100	-.00040	.02960	.01080
3.000	22.762	10.01100	10.01100	10.01100	10.03100	-.00040	.01990	.01080
3.000	25.442	10.01100	10.00300	10.01100	10.03100	-.00840	.01990	.01080
	GRADIENT	-.00218	-.00008	-.00371	-.00228	.00204	.00150	-.00238

AMES 118-1-87 OA145C 01 (D2H087) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 182/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.310	10.02100	10.01100	10.02800	10.04100	-.01000	.01260	.02170
3.000	2.510	10.02100	10.01100	10.02800	10.04100	-.01000	.01260	.02170
3.000	4.992	10.00200	10.01100	10.01100	10.03100	.00930	.01990	.01080
3.000	7.606	10.02100	10.01900	10.03700	10.05100	-.00200	.01370	.02170
3.000	10.062	9.99200	10.00300	10.01100	10.02200	.01100	.01020	.00000
3.000	12.201	10.02100	10.01100	10.02800	10.04100	-.01000	.01260	.02170
3.000	14.136	10.02100	10.01100	10.02800	10.04100	-.01000	.01260	.02170
3.000	15.188	10.01100	10.01100	10.02000	10.04100	-.00040	.02110	.01080
3.000	16.199	10.03100	10.01900	10.03700	10.05100	-.01170	.01370	.02170
3.000	18.207	10.00200	10.00300	10.01100	10.03100	.00130	.01990	.01080
3.000	20.224	10.01100	10.01100	10.02000	10.04100	-.00040	.02110	.01080
3.000	22.782	10.01100	10.01100	10.02000	10.03100	-.00040	.01140	.01080
3.000	25.440	10.02100	10.01100	10.02000	10.04100	-.01000	.02110	.02170
	GRADIENT	-.00413	.00000	-.00370	-.00218	.00420	.00159	-.00237

AMES 118-1-87 OA145C 01 (D2H088) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-OB =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 163/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-3.951	.01670	-3.94500	.03300	-3.95600	-3.96170	-3.98900	.00000
3.000	-1.937	.03330	-1.93000	.04400	-1.94460	-1.96330	-1.98860	.02170
3.000	.028	.03330	.02900	.05500	.02700	-.00430	-.02800	.02170
3.000	2.014	.02500	2.01000	.04400	2.01810	1.98500	1.97410	.01080
3.000	4.010	.01670	4.00440	.03300	4.01510	3.98780	3.98210	.01080
	GRADIENT	-.00041	.99835	.00000	1.00167	.99877	1.00167	.00054

AMES 118-1-87 OA145C 01 (D2H0B9) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-OB =	5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 164/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	1.016	5.01030	1.01110	5.02390	1.02000	-3.99920	-4.00390	.01080
3.000	3.022	5.01960	3.01530	5.03480	3.02890	-2.00440	-2.00590	.02170
3.000	5.016	5.01030	5.01290	5.01310	5.01890	.00260	.00580	.02170
3.000	7.007	5.00100	6.98840	5.00220	7.02640	1.98750	2.02420	.01080
3.000	9.023	5.02900	9.00100	5.02390	9.04600	3.97200	4.02200	.03250
	GRADIENT	.00463	.99885	.00543	1.00120	.99417	.99576	.00543

AMES 118-1-87 OA145C 01 (D2H0C0) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-OB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 165/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-8.942	-4.93850	-8.94280	-4.95100	-8.94110	-4.00440	-3.99010	.02170
3.000	-6.950	-4.94780	-6.94700	-4.95100	-6.95390	-1.99920	-2.00290	.01080
3.000	-4.927	-4.92910	-4.92100	-4.94050	-4.93350	.00810	.00700	.03250
3.000	-2.960	-4.95720	-2.94960	-4.96150	-2.97060	2.00750	1.99090	.01080
3.000	-.931	-4.92910	-.92000	-4.94050	-.94220	4.00910	3.99830	.02170
	GRADIENT	.00007	1.00120	.00005	.99878	1.00112	.99872	-.00266

AMES 118-1-87 OA145C 01 (D2H0C1) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-IB =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 166/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-3.934	-3.95360	.03870	-3.91460	.02700	3.99230	3.94160	.02170
3.000	-1.918	-1.90510	.03870	-1.93000	.03600	1.94380	1.96600	.03250
3.000	.028	.03330	.03870	.02200	.02700	.00540	.00500	.02170
3.000	2.003	2.02080	.01930	1.98480	.00900	-2.00140	-1.97580	.00000
3.000	4.019	4.00350	.04840	4.03530	.03600	-3.95510	-3.99930	.03250
	GRADIENT	1.00064	.00001	.99936	-.00044	-1.00062	-.99979	-.00053

AMES 118-1-87 OA145C 01 (D2H0C2) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-IB =	5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 167/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	1.028	1.04300	5.02230	1.01200	5.02820	3.97930	4.01620	.03250
3.000	3.001	2.99700	5.02230	3.00570	5.02820	2.02530	2.02250	.02170
3.000	5.002	4.99160	5.01290	5.01310	5.01890	.02130	.00580	.02170
3.000	6.999	7.00780	5.00360	6.99000	5.01890	-2.00420	-1.97110	.01080
3.000	9.041	9.03320	5.03160	9.04900	5.03760	-4.00160	-4.01140	.03250
	GRADIENT	.98992	.00000	1.01003	.00000	-.98992	-1.01003	-.00547

AMES 118-1-87 OA145C 01 (D2H0C3) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-IB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 168/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-8.965	-8.96550	-4.93970	-8.96500	-4.95590	4.02580	4.00910	.01080
3.000	-6.945	-6.95450	-4.93040	-6.93500	-4.94470	2.02420	1.99030	.02170
3.000	-4.964	-4.96650	-4.94900	-4.96150	-4.96710	.01750	-.00560	.01080
3.000	-2.983	-3.00110	-4.94900	-2.96500	-4.96710	-1.94800	-2.00210	.01080
3.000	-.941	-.93140	-4.93040	-.95000	-4.94470	-3.99900	-3.99470	.02170
	GRADIENT	1.00299	.00465	.99701	.00560	-.99834	-.99142	.00272

AMES 118-1-87 OA145C 01 (D2H0C4) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 169/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-3.984	.04170	-3.92440	.02200	4.04260	-3.96600	4.02060	.02170
3.000	-1.969	.02500	-1.93000	.01100	2.00820	-1.95500	1.99720	.01080
3.000	.011	.04170	.05800	.03300	.03600	.01640	.00300	.03250
3.000	1.972	.02500	2.00000	.01100	-1.94460	1.97500	-1.95560	.01080
3.000	3.980	.03330	4.01380	.02200	-3.94700	3.98040	-3.96900	.01080
	GRADIENT	-.00085	.99684	.00000	-1.00316	.99767	-1.00316	-.00110

AMES 118-1-87 OA145C 01 (D2H0C5) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 170/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-4.012	5.01960	1.00230	5.02390	9.02730	-4.01730	4.00340	.02170
3.000	-2.016	5.01960	3.01530	5.03480	7.04780	-2.00440	2.01300	.03250
3.000	-.008	5.01030	5.01290	5.01310	5.02820	.00260	.01520	.02170
3.000	1.989	5.02900	7.00680	5.03480	3.02890	1.97780	-2.00590	.03250
3.000	3.972	5.01960	8.98300	5.03480	1.04000	3.96340	-3.99480	.03250
	GRADIENT	.00047	.99899	.00109	-1.00102	.99852	-1.00211	.00108

AMES 118-1-87 OA145C 01 (D2H0C6) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 171/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-3.995	-4.92910	-8.93300	-4.93000	-.94220	-4.00390	3.98780	.02170
3.000	-2.012	-4.92910	-6.93700	-4.93000	-2.91320	-2.00790	2.01680	.01080
3.000	-.002	-4.94780	-8.96250	-4.95100	-8.95780	-4.01470	-4.00680	.01080
3.000	2.002	-4.93850	-2.94960	-4.95100	-6.95390	1.98890	-2.00290	.01080
3.000	4.014	-4.92910	-.93000	-4.94050	-8.95780	3.99910	-4.01730	.01080
	GRADIENT	-.00047	.99841	-.00209	-1.00160	.99887	-.99950	-.00109

AMES 118-1-87 OA145C 01 (D2H0C7) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO
SCALE =	.0500			

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 172/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-3.973	-3.92760	.03870	4.01770	.01800	3.96630	-3.99970	.02170
3.000	-1.963	-1.94050	.02900	1.98480	.02700	1.96950	-1.95780	.00000
3.000	.000	.03330	.03870	.03300	.03600	.00540	.00300	.01080
3.000	2.005	2.07000	.05800	-1.94000	.04500	-2.01190	1.98500	.02170
3.000	3.980	4.02450	.04840	-3.93600	.03600	-3.97610	3.97200	.01080
	GRADIENT	1.00209	.00243	-.99794	.00272	-.99965	1.00066	-.00001

AMES 118-1-87 OA145C 01 (D2H0C8) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO
SCALE =	.0500			

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 173/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-3.989	1.04300	5.02230	9.02200	5.04690	3.97930	-3.97510	.02170
3.000	-2.004	3.02700	5.02230	7.03400	5.03760	1.99530	-1.99640	.01080
3.000	.004	5.01030	5.00360	5.00220	5.01890	-.00670	.01670	.01080
3.000	1.997	7.01860	5.03160	3.02500	5.04690	-1.98700	2.02190	.03250
3.000	4.001	9.02490	5.02230	1.02300	5.03760	-4.00260	4.01460	.02170
	GRADIENT	.99871	.00046	-1.00130	-.00047	-.99825	1.00083	.00109

AMES 118-I-87 OA145C 01 (D2H0C9) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 174/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-4.013	-8.95600	-4.93970	-.93000	-4.92240	4.01630	-3.99240	.02170
3.000	-2.000	-6.95450	-4.94900	-2.95430	-4.93350	2.00550	-1.97920	.01080
3.000	.000	-4.92910	-4.93970	-4.93000	-4.92240	-.01060	.00760	.02170
3.000	1.984	-3.01090	-4.97700	-6.97830	-4.96710	-1.96610	2.01130	.00000
3.000	4.007	-.93140	-4.93970	-8.94540	-4.92240	-4.00830	4.02300	.01080
	GRADIENT	.99847	-.00139	-1.00153	-.00166	-.99986	.99987	-.00162

AMES 118-I-87 OA145C 01 (D2H0D0) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 161/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.285	.00830	.02900	.04400	.02700	.02070	-.01700	-5.98170
3.000	-4.215	.00830	.02900	.04400	.02700	.02070	-.01700	-5.98170
3.000	-2.084	.00830	.02900	.04400	.02700	.02070	-.01700	-5.98170
3.000	-1.050	.01670	.03870	.05500	.03600	.02200	-.01900	-5.96940
3.000	.035	.01670	.04840	.06600	.04500	.03170	-.02100	-5.96940
3.000	1.114	.01670	.03870	.05500	.03600	.02200	-.01900	-5.98170
3.000	2.153	.00830	.02900	.04400	.02700	.02070	-.01700	-5.98170
3.000	3.237	.01670	.03870	.05500	.03600	.02200	-.01900	-5.98170
	GRADIENT	.00081	.00097	.00110	.00090	.00016	-.00020	-.00024

AMES 118-1-87 OA145C 01 (D2H0D1) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 150/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	.318	.01670	.02900	.04400	.03600	.01240	-.00800	.03250
3.000	3.072	.02500	.03870	.03300	.04500	.01370	.01200	.03250
3.000	4.051	.02500	.04840	.04400	.05400	.02340	.01000	.03250
3.000	6.016	.01670	.03870	.03300	.04500	.02200	.01200	.03250
3.000	8.026	.01670	.02900	.02200	.03600	.01240	.01400	.02170
3.000	10.107	.02500	.04840	.04400	.04500	.02340	.00100	.03250
3.000	12.125	.00830	.02900	.02200	.02700	.02070	.00500	.02170
3.000	14.156	.01670	.04840	.04400	.05400	.03170	.01000	.03250
3.000	15.174	.02500	.02900	.02200	.03600	.00400	.01400	.02170
3.000	16.180	.01670	.01930	.01100	.02700	.00270	.01600	.01080
3.000	18.194	.03330	.03870	.04400	.04500	.00540	.00100	.03250
3.000	20.259	.04170	.03870	.04400	.05400	-.00300	.01000	.03250
3.000	22.249	.01670	.01930	.02200	.03600	.00270	.01400	.02170
3.000	26.341	.02500	.02900	.02200	.03600	.00400	.01400	.02170
3.000	29.787	.03330	.02900	.03300	.04500	-.00430	.01200	.05420
	GRADIENT	.00239	.00483	-.00087	.00448	.00241	.00535	.00000

AMES 118-1-87 OA145C 01 (D2H0D2) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPOBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 149/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.000	-6.328	.01670	.02900	.02200	.03600	.01240	.01400	.00000
3.000	-4.223	.03330	.04840	.04400	.05400	.01500	.01000	.02170
3.000	-2.122	.00830	.01930	.01100	.02700	.01100	.01600	.00000
3.000	-1.043	.01670	.02900	.02200	.03600	.01240	.01400	.00000
3.000	.012	.01670	.02900	.02200	.03600	.01240	.01400	.00000
3.000	1.098	.03330	.04840	.04400	.05400	.01500	.01000	.01080
3.000	2.152	.04170	.04840	.04400	.05400	.00670	.01000	.02170
3.000	3.198	.00000	.00970	.00000	.01800	.00970	.01800	-.01250
3.000	4.243	.00830	.01930	.01100	.02700	.01100	.01600	-.01250
3.000	6.384	.02500	.03870	.03300	.04500	.01370	.01200	.00000
	GRADIENT	-.00142	-.00195	-.00221	-.00181	-.00053	.00040	-.00246

AMES 118-1-87 OA145C 01 (D2H0D3) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 175/.0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
3.496	-29.949	-29.96200	-29.92700	-29.95300	-29.95200	.03500	.00090	.03250
3.496	-19.931	-19.93300	-19.89000	-19.97200	-19.93000	.04300	.04180	.03250
3.496	-14.942	-14.93000	-14.93800	-14.95000	-14.95200	-.00780	-.00200	.02170
3.496	-12.952	-12.95100	-12.93800	-12.97500	-12.94200	.01330	.03310	.02170
3.496	-9.928	-9.92250	-9.92650	-9.95700	-9.90670	-.00400	.05030	.03250
3.496	-7.950	-7.94880	-7.95000	-7.96800	-7.93290	-.00120	.03510	.01080
3.496	-4.936	-4.92910	-4.93970	-4.94050	-4.93350	-.01060	.00700	.02170
3.496	-3.947	-3.96230	-3.91410	-3.95730	-3.95600	.04820	.00130	.01080
3.496	-1.944	-1.93160	-1.94000	-1.97000	-1.93590	-.00840	.03410	.01080
3.496	.030	.03330	.02900	.02200	.03600	-.00430	.01400	.03250
3.496	2.041	2.07000	2.05000	2.01530	2.02790	-.02000	.01260	.03250
3.496	4.015	4.00350	4.02310	4.00880	4.02420	.01960	.01540	.02170
3.496	5.026	5.02900	5.02230	5.02390	5.02820	-.00670	.00430	.03250
3.496	8.033	8.02830	8.03000	8.02330	8.04850	.00170	.02520	.03250
3.496	10.019	10.03100	10.00300	10.00300	10.04100	-.02770	.03810	.01080
3.496	20.031	20.09800	19.96000	20.03500	20.03300	-.13790	-.00130	.02170
	GRADIENT	1.00059	.99952	.99954	1.00035	-.00107	.00081	.00143

AMES 118-1-87 OA145C 01 (E2H001) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	1.000		

RUN NO. 107 0 RN/L = .93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.087	.167	-.08940	-.09560	-.09670	-.09770	6.58820	-.04310	-.10470	-.11730	.44230	.34520
3.087	1.940	-.08730	-.09560	-.09670	-.09770	5.77920	-.04610	-.13290	-.11100	.46210	.36190
3.087	3.890	-.08530	-.09370	-.09260	-.09260	5.05590	-.04310	-.13190	-.10890	.47440	.37840
3.087	5.870	-.09670	-.10190	-.10190	-.10400	4.42710	-.04720	-.14020	-.12770	.48560	.39060
3.087	7.859	-.09870	-.10390	-.10290	-.10600	3.87270	-.04390	-.14220	-.11400	.49400	.40000
3.087	9.876	-.10280	-.10800	-.10700	-.10600	3.39170	-.03550	-.10460	-.10980	.50370	.41270
3.087	11.914	-.10180	-.10700	-.10600	-.10490	2.96700	-.03130	-.14540	-.10770	.51490	.42400
3.087	13.936	-.11520	-.11830	-.11620	-.11620	2.58470	-.03400	-.10330	-.10740	.51530	.42420
3.087	14.949	-.11210	-.11520	-.11520	-.11520	2.26110	-.02170	-.08980	-.09500	.51840	.42740
3.087	17.002	-.11320	-.11530	-.11530	-.11630	1.97430	-.01430	-.08240	-.08770	.52650	.43440
3.087	18.017	-.11420	-.11730	-.11630	-.11520	1.71950	-.00710	-.07510	-.07930	.52760	.43650
3.087	22.120	-.11210	-.11520	-.11210	-.11210	1.50140	.01700	-.04800	-.05320	.53460	.44570
3.087	29.258	-.10160	-.10370	-.10260	-.10160	1.31160	.05690	-.00070	-.00910	.53520	.43680
	GRADIENT	.00110	.00052	.00112	.00139	-.41092	.00003	-.00718	.00224	.00858	.00891

AMES 118-1-87 OA145C 01 (E2H002) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 16/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
2.493	.307	-.13130	-.13530	-.13550	-.13550	-.10860	-.10240	-.12380	-.12410	.35610	.32940
2.493	1.990	-.13480	-.13860	-.13860	-.13890	-.10970	-.10340	-.12540	-.12570	.36930	.33690
2.493	4.010	-.13830	-.14190	-.14190	-.14190	-.11000	-.10370	-.12600	-.12690	.38290	.35160
2.493	6.033	-.14480	-.14770	-.14800	-.14800	-.11070	-.10430	-.12690	-.12780	.39400	.36900
2.493	8.069	-.14810	-.15010	-.15010	-.15010	-.10720	-.10050	-.12310	-.12430	.40900	.38470
2.493	10.124	-.14750	-.14870	-.14870	-.14840	-.10120	-.09500	-.11610	-.11760	.41890	.39430
2.493	12.200	-.15060	-.15060	-.15060	-.15030	-.09510	-.08890	-.10970	-.11120	.42790	.40480
2.493	14.203	-.15450	-.15420	-.15420	-.15390	-.08760	-.08140	-.10220	-.10400	.43450	.40920
2.493	15.236	-.15750	-.15690	-.15690	-.15690	-.08440	-.07780	-.09860	-.10070	.43690	.41200
2.493	16.219	-.15940	-.15880	-.15880	-.15820	-.08000	-.07350	-.09400	-.09550	.43960	.41410
2.493	18.252	-.15960	-.15810	-.15810	-.15780	-.06890	-.06280	-.08270	-.08480	.44230	.41380
2.493	20.318	-.16040	-.15750	-.15750	-.15720	-.05690	-.05090	-.06990	-.07200	.44170	.41470
2.493	22.314	-.15860	-.15560	-.15560	-.15530	-.04400	-.03810	-.05650	-.05890	.43960	.41650
2.493	26.427	-.15530	-.15230	-.15230	-.15170	-.01710	-.01080	-.02750	-.02990	.43350	.40590
2.493	29.771	-.14170	-.13810	-.13780	-.13720	.00990	.01550	.00070	-.00140	.43630	.39700
	GRADIENT	-.00189	-.00173	-.00173	-.00172	-.00037	-.00034	-.00058	-.00075	.00722	.00604

RUN NO. 22/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	.182	-.08590	-.09190	-.09190	-.09230	-.05150	-.04940	-.07760	-.07830	.35750	.32670
3.001	1.875	-.08800	-.09370	-.09370	-.09370	-.05080	-.04880	-.07730	-.07800	.36990	.33410
3.001	3.882	-.09120	-.09620	-.09620	-.09620	-.05080	-.04870	-.07730	-.07840	.38100	.34950
3.001	5.887	-.09650	-.10110	-.10070	-.10070	-.04970	-.04770	-.07730	-.07840	.39330	.36110
3.001	7.896	-.09930	-.10290	-.10290	-.10290	-.04790	-.04590	-.07520	-.07660	.40430	.37280
3.001	9.949	-.10000	-.10250	-.10250	-.10250	-.04190	-.03990	-.06850	-.07060	.41490	.38370
3.001	12.102	-.10180	-.10350	-.10350	-.10320	-.03440	-.03250	-.06000	-.06240	.42490	.39370
3.001	14.149	-.10420	-.10570	-.10570	-.10500	-.02660	-.02470	-.05150	-.05430	.43120	.40010
3.001	15.195	-.10420	-.10530	-.10530	-.10500	-.02130	-.01940	-.04620	-.04870	.43370	.40260
3.001	16.195	-.10460	-.10570	-.10530	-.10500	-.01670	-.01480	-.04090	-.04410	.43680	.40500
3.001	18.198	-.10420	-.10490	-.10490	-.10420	-.00640	-.00460	-.03000	-.03280	.43990	.41050
3.001	20.260	-.10220	-.10250	-.10250	-.10180	.00350	.00530	-.01800	-.02080	.44130	.41620
3.001	22.246	-.09860	-.09900	-.09900	-.09830	.01590	.01770	-.00430	-.00810	.44140	.41950
3.001	26.350	-.09190	-.09010	-.09010	-.08900	.04380	.04560	.02400	.02050	.44130	.41800
3.001	29.544	-.08270	-.08020	-.08020	-.07950	.06720	.06890	.04950	.04560	.44630	.41260
	GRADIENT	-.00144	-.00116	-.00116	-.00106	.00018	.00018	.00008	-.00003	.00633	.00621

AMES 118-1-87 OA145C 01 (E2H002) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 85/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.498	.020	-.06500	-.07270	-.07270	-.07270	-.02590	-.02030	-.05770	-.05880	.35940	.30860
3.498	2.104	-.06730	-.07350	-.07350	-.07350	-.02480	-.01920	-.05650	-.05770	.37270	.31920
3.498	4.642	-.07000	-.07470	-.07470	-.07470	-.02370	-.01810	-.05580	-.05730	.38680	.33450
3.498	7.116	-.07410	-.07870	-.07870	-.07830	-.02060	-.01510	-.05260	-.05450	.39850	.34910
3.498	9.674	-.07490	-.07880	-.07880	-.07840	-.01370	-.00820	-.04500	-.04770	.40940	.36150
3.498	11.737	-.07560	-.07870	-.07830	-.07790	-.00630	-.00080	-.03690	-.03960	.41640	.37190
3.498	13.767	-.07520	-.07830	-.07830	-.07750	.00180	.00730	-.02800	-.03110	.42430	.38140
3.498	14.765	-.07610	-.07840	-.07800	-.07760	.00560	.01110	-.02350	-.02690	.42770	.38550
3.498	15.755	-.07520	-.07750	-.07710	-.07670	.00990	.01530	-.01840	-.02220	.42960	.38970
3.498	17.774	-.07360	-.07560	-.07560	-.07480	.01840	.02340	-.00960	-.01380	.43210	.39530
3.498	19.824	-.07170	-.07290	-.07250	-.07170	.02760	.03300	.00230	-.00190	.43520	.40070
3.498	22.314	-.06790	-.06830	-.06830	-.06710	.04180	.04720	.01760	.01300	.43780	.40600
3.498	25.034	-.06210	-.06130	-.06130	-.06060	.05920	.06460	.03540	.03110	.44080	.40630
	GRADIENT	-.00108	-.00043	-.00043	-.00043	.00047	.00047	.00041	.00032	.00591	.00562

AMES 118-1-87 OA145C 01 (E2H003) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 3.250

RUN NO. 13/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
2.493	.309	-.13020	-.13370	-.13390	-.13390	-.11330	-.10910	-.12170	-.12200	.34040	.33290
2.493	2.007	-.13510	-.13810	-.13830	-.13810	-.11540	-.11090	-.12430	-.12470	.35660	.33730
2.493	3.894	-.13760	-.14060	-.14060	-.14060	-.11580	-.11160	-.12550	-.12570	.37070	.35240
2.493	5.808	-.14330	-.14610	-.14630	-.14630	-.11600	-.11180	-.12590	-.12650	.38350	.36610
2.493	7.762	-.14790	-.15020	-.15020	-.15020	-.11380	-.10960	-.12370	-.12440	.39290	.38040
2.493	9.739	-.14740	-.14830	-.14850	-.14830	-.10770	-.10360	-.11700	-.11770	.40500	.39000
2.493	11.930	-.14820	-.14820	-.14860	-.14820	-.10040	-.09640	-.10890	-.10990	.41880	.39910
2.493	13.980	-.15200	-.15180	-.15180	-.15180	-.09320	-.08920	-.10150	-.10260	.42320	.40340
2.493	15.013	-.15390	-.15390	-.15370	-.15340	-.08840	-.08510	-.09770	-.09880	.42550	.40470
2.493	16.180	-.15780	-.15710	-.15730	-.15710	-.08400	-.08010	-.09270	-.09380	.42960	.40700
2.493	18.250	-.15750	-.15640	-.15640	-.15590	-.07250	-.06900	-.08060	-.08200	.43030	.40900
2.493	20.336	-.15710	-.15460	-.15460	-.15420	-.05890	-.05610	-.06720	-.06860	.43060	.41010
2.493	22.507	-.15610	-.15380	-.15380	-.15340	-.04470	-.04100	-.05190	-.05350	.42660	.40840
2.493	23.521	-.15600	-.15370	-.15370	-.15320	-.03930	-.03530	-.04570	-.04710	.42410	.40590
2.493	26.586	-.15150	-.14900	-.14900	-.14830	-.01620	-.01270	-.02200	-.02360	.41750	.40340
2.493	29.955	-.13800	-.13530	-.13510	-.13460	.01230	.01570	.00730	.00590	.42390	.39090
	GRADIENT	-.00205	-.00191	-.00186	-.00186	-.00069	-.00069	-.00105	-.00102	.00843	.00549

AMES 118-1-87 OA145C 01 (E2H004) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XQ
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 336.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 4.000

RUN NO. 17/ 0 RN/L = 4.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
2.493	.294	-.13020	-.13260	-.13280	-.13280	-.11680	-.11630	-.12190	-.12140	.33200	.32550
2.493	2.005	-.13420	-.13640	-.13660	-.13640	-.11870	-.11830	-.12430	-.12390	.35040	.33740
2.493	4.053	-.13630	-.13850	-.13850	-.13840	-.11830	-.11800	-.12430	-.12430	.36550	.34930
2.493	6.107	-.14310	-.14520	-.14520	-.14520	-.11870	-.11830	-.12480	-.12520	.38380	.36250
2.493	8.161	-.14600	-.14760	-.14770	-.14760	-.11460	-.11400	-.12070	-.12120	.39560	.37720
2.493	10.234	-.14540	-.14590	-.14590	-.14580	-.10780	-.10730	-.11340	-.11400	.40670	.38650
2.493	12.340	-.14640	-.14640	-.14680	-.14660	-.10020	-.09960	-.10540	-.10620	.41970	.39720
2.493	14.389	-.15050	-.15030	-.15020	-.15000	-.09270	-.09220	-.09780	-.09870	.42440	.40290
2.493	15.421	-.15330	-.15280	-.15280	-.15260	-.08810	-.08760	-.09350	-.09420	.42770	.40940
2.493	16.426	-.15420	-.15370	-.15370	-.15350	-.08260	-.08200	-.08780	-.08890	.42750	.41030
2.493	18.495	-.15510	-.15420	-.15420	-.15400	-.07150	-.07090	-.07650	-.07720	.42820	.41330
2.493	20.577	-.15530	-.15320	-.15300	-.15280	-.05920	-.05870	-.06380	-.06460	.42690	.40930
2.493	22.596	-.15350	-.15150	-.15150	-.15100	-.04510	-.04450	-.04940	-.05030	.42190	.40730
2.493	26.753	-.14750	-.14560	-.14560	-.14490	-.01200	-.01140	-.01570	-.01650	.41400	.39870
2.493	30.140	-.13320	-.13090	-.13070	-.13020	.01740	.01800	.01480	.01430	.41700	.39120
	GRADIENT	-.00160	-.00155	-.00150	-.00147	-.00038	-.00043	-.00062	-.00075	.00886	.00632

AMES 118-1-87 OA145C 01 (E2H005) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 19/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
2.493	-6.497	-.13060	-.13620	-.13620	-.13620	-.09400	-.09290	-.11010	-.11070	.55620	.22860
2.493	-4.377	-.13410	-.13850	-.13850	-.13820	-.09990	-.09870	-.11630	-.11690	.49420	.27160
2.493	-2.235	-.13500	-.13820	-.13820	-.13820	-.10310	-.10190	-.11970	-.12030	.43500	.31920
2.493	-1.178	-.13500	-.13760	-.13790	-.13760	-.10480	-.10360	-.12120	-.12210	.41090	.33350
2.493	-.106	-.13440	-.13710	-.13710	-.13680	-.10570	-.10450	-.12240	-.12330	.38470	.36480
2.493	.962	-.13440	-.13650	-.13680	-.13650	-.10660	-.10540	-.12360	-.12450	.35730	.38950
2.493	2.004	-.13440	-.13650	-.13650	-.13650	-.10750	-.10630	-.12450	-.12530	.33700	.41400
2.493	3.057	-.13560	-.13710	-.13710	-.13680	-.10870	-.10750	-.12560	-.12680	.31110	.44090
2.493	4.134	-.13620	-.13790	-.13770	-.13770	-.11010	-.10890	-.12710	-.12830	.28690	.46850
2.493	6.279	-.13790	-.13880	-.13850	-.13850	-.11190	-.11070	-.12940	-.13030	.24910	.53150
	GRADIENT	-.00016	.00015	.00017	.00015	-.00113	-.00113	-.00121	-.00129	-.02410	.02322

RUN NO. 27/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	-6.277	-.08560	-.09380	-.09380	-.09340	-.04150	-.03850	-.06370	-.06500	.54600	.22770
3.001	-4.158	-.08940	-.09690	-.09650	-.09650	-.04700	-.04360	-.06950	-.07080	.49070	.26750
3.001	-3.091	-.09070	-.09720	-.09720	-.09720	-.04900	-.04560	-.07220	-.07320	.46390	.28840
3.001	-2.045	-.09240	-.09790	-.09820	-.09790	-.05150	-.04800	-.07460	-.07560	.43970	.31120
3.001	-.987	-.09210	-.09720	-.09720	-.09690	-.05320	-.04970	-.07600	-.07700	.41490	.33370
3.001	.083	-.09170	-.09650	-.09650	-.09650	-.05350	-.04970	-.07660	-.07760	.39020	.35780
3.001	1.138	-.09210	-.09620	-.09620	-.09620	-.05520	-.05180	-.07900	-.07970	.36570	.38210
3.001	2.194	-.09310	-.09650	-.09680	-.09650	-.05550	-.05180	-.07970	-.08070	.34390	.40730
3.001	3.248	-.09410	-.09750	-.09750	-.09750	-.05650	-.05310	-.08170	-.08310	.32140	.42980
3.001	4.300	-.09480	-.09790	-.09790	-.09790	-.05760	-.05410	-.08270	-.08410	.29960	.45570
3.001	6.437	-.09680	-.09890	-.09890	-.09890	-.05960	-.05620	-.08540	-.08680	.26070	.51290
3.001	10.626	-.09750	-.09890	-.09890	-.09890	-.05930	-.05550	-.08470	-.08610	.20890	.63560
	GRADIENT	-.00052	-.00002	-.00004	-.00005	-.00118	-.00117	-.00149	-.00151	-.02258	.02234

AMES 118-1-87 OA145C 01 (E2H005) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 87/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.498	-6.557	-.06010	-.06930	-.06890	-.06890	-.01230	-.00640	-.04220	-.04450	.53380	.21990
3.498	-4.471	-.06510	-.07230	-.07190	-.07190	-.01610	-.01020	-.04680	-.04830	.48440	.25310
3.498	-2.348	-.06810	-.07390	-.07390	-.07350	-.02030	-.01440	-.05140	-.05290	.43280	.29340
3.498	-1.259	-.06890	-.07420	-.07420	-.07390	-.02150	-.01560	-.05290	-.05450	.40900	.31420
3.498	-.181	-.06850	-.07350	-.07350	-.07310	-.02300	-.01710	-.05440	-.05600	.38740	.33600
3.498	.892	-.06920	-.07350	-.07350	-.07350	-.02410	-.01820	-.05590	-.05710	.36660	.35900
3.498	1.970	-.07000	-.07390	-.07390	-.07390	-.02530	-.01900	-.05670	-.05820	.34620	.38540
3.498	3.056	-.07040	-.07390	-.07390	-.07390	-.02600	-.02010	-.05790	-.05940	.32660	.41000
3.498	4.143	-.07150	-.07420	-.07420	-.07420	-.02680	-.02090	-.05900	-.06090	.30760	.43720
3.498	6.304	-.07150	-.07380	-.07380	-.07350	-.02830	-.02240	-.06050	-.06210	.27130	.49190
	GRADIENT	-.00063	-.00014	-.00017	-.00020	-.00120	-.00119	-.00136	-.00138	-.02029	.02140

AMES 118-1-87 OA145C 01 (E2H006) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 29/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
2.493	-6.497	-.13710	-.14070	-.14070	-.14070	-.08990	-.08660	-.10360	-.10510	.60220	.24760
2.493	-4.382	-.13980	-.14250	-.14220	-.14220	-.09370	-.09040	-.10780	-.10930	.53170	.28810
2.493	-2.263	-.14130	-.14280	-.14280	-.14250	-.09650	-.09280	-.11020	-.11170	.47340	.34000
2.493	-1.197	-.14160	-.14310	-.14280	-.14280	-.09790	-.09430	-.11140	-.11260	.43770	.36290
2.493	-.128	-.14190	-.14310	-.14280	-.14250	-.09910	-.09550	-.11260	-.11380	.40800	.38800
2.493	.923	-.14130	-.14160	-.14160	-.14160	-.09890	-.09550	-.11290	-.11410	.38270	.41620
2.493	1.992	.25190	-.13350	-.19070	-.15840	-.09970	-.09610	-.11380	.00000	.36090	.45060
2.493	3.011	-.14250	-.14280	-.14280	-.14250	-.10090	-.09730	-.11530	-.11710	.33650	.47740
2.493	4.060	-.14310	-.14310	-.14340	-.14310	-.10220	-.09860	-.11680	-.11860	.31080	.51050
2.493	6.215	-.14370	-.14310	-.14310	-.14280	-.10370	-.10010	-.11830	-.12010	.26860	.57920
	GRADIENT	.01200	.00027	-.00157	-.00054	-.00092	-.00090	-.00100	.00256	-.02601	.02626

AMES 118-1-87 OA145C 01 (E2H006) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 247 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	-6.261	-.09640	-.10300	-.10340	-.10340	-.03620	-.03430	-.06130	-.06370	.57750	.23970
3.001	-4.164	-.10030	-.10580	-.10620	-.10650	-.04010	-.03810	-.06550	-.06750	.52350	.28450
3.001	-3.100	-.10240	-.10720	-.10760	-.10760	-.04190	-.04020	-.06760	-.06960	.49340	.30700
3.001	-2.048	-.10430	-.10840	-.10910	-.10910	-.04410	-.04190	-.06890	-.07130	.46680	.33200
3.001	-.994	-.10450	-.10830	-.10860	-.10860	-.04440	-.04210	-.06980	-.07220	.44210	.35670
3.001	.071	-.10670	-.10940	-.11010	-.11010	-.04620	-.04420	-.07190	-.07430	.41270	.38180
3.001	1.123	-.10780	-.11020	-.11050	-.11090	-.04690	-.04500	-.07300	-.07540	.38610	.41010
3.001	2.167	-.10660	-.10900	-.10930	-.10970	-.04720	-.04520	-.07320	-.07590	.36400	.43710
3.001	3.203	-.10740	-.10980	-.11010	-.11050	-.04860	-.04660	-.07530	-.07800	.33760	.46210
3.001	4.236	-.10730	-.10900	-.10930	-.10970	-.04920	-.04710	-.07580	-.07820	.31560	.49110
3.001	6.376	-.10870	-.10970	-.11040	-.11070	-.05230	-.05010	-.07880	-.08120	.27240	.54900
3.001	10.611	-.10840	-.10880	-.10910	-.10950	-.05210	-.04980	-.07880	-.08160	.21230	.68610
	GRADIENT	-.00081	-.00038	-.00035	-.00040	-.00103	-.00103	-.00121	-.00128	-.02475	.02466

RUN NO. 88/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.498	-6.536	-.06430	-.06970	-.06970	-.06930	-.00380	.00200	-.03390	-.03690	.57240	.23800
3.498	-4.438	-.06740	-.07400	-.07400	-.07360	-.00880	-.00260	-.03890	-.04150	.51610	.27510
3.498	-2.336	-.07130	-.07660	-.07620	-.07590	-.01110	-.00490	-.04110	-.04420	.46110	.31760
3.498	-1.227	-.07400	-.07820	-.07820	-.07780	-.01270	-.00640	-.04310	-.04570	.43310	.34070
3.498	-.174	-.07550	-.07900	-.07900	-.07860	-.01460	-.00830	-.04460	-.04730	.40790	.36100
3.498	.910	-.07590	-.07930	-.07890	-.07850	-.01460	-.00830	-.04460	-.04760	.38730	.38920
3.498	2.008	-.07660	-.08010	-.08010	-.07970	-.01570	-.00950	-.04650	-.04920	.36550	.41660
3.498	3.055	-.07700	-.07970	-.07930	-.07930	-.01690	-.01070	-.04810	-.05030	.34480	.44440
3.498	4.127	-.07670	-.07860	-.07860	-.07780	-.01770	-.01140	-.04880	-.05110	.32430	.47460
3.498	6.293	-.07660	-.07740	-.07740	-.07700	-.01920	-.01290	-.05030	-.05260	.28470	.53300
	GRADIENT	-.00108	-.00058	-.00057	-.00056	-.00103	-.00103	-.00117	-.00112	-.02213	.02327

AMES 118-1-87 OA145C 01 (E2H007) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 15/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
2.493	-6.604	-.14120	-.14330	-.14330	-.14300	-.07010	-.06390	-.08320	-.08500	.63470	.25400
2.493	-4.476	-.14840	-.15020	-.14990	-.14990	-.07470	-.06860	-.08910	-.09090	.56760	.30040
2.493	-3.402	-.15020	-.15110	-.15140	-.15110	-.07660	-.07090	-.09140	-.09310	.53450	.32840
2.493	-2.331	-.15350	-.15380	-.15410	-.15380	-.07930	-.07300	-.09350	-.09530	.49880	.35660
2.493	-1.253	-.15580	-.15610	-.15610	-.15580	-.08130	-.07510	-.09590	-.09770	.47120	.38650
2.493	-.209	-.15620	-.15620	-.15590	-.15590	-.08220	-.07660	-.09740	-.09950	.43970	.40940
2.493	.876	-.15530	-.15440	-.15440	-.15410	-.08340	-.07730	-.09780	-.09980	.40850	.43910
2.493	1.956	-.15500	-.15350	-.15380	-.15350	-.08430	-.07830	-.09910	-.10110	.38270	.47270
2.493	3.007	-.15670	-.15520	-.15520	-.15520	-.08610	-.07950	-.10110	-.10290	.35170	.50690
2.493	4.086	-.15570	-.15360	-.15360	-.15360	-.08680	-.08050	-.10160	-.10400	.32510	.54230
2.493	6.216	-.15270	-.14940	-.14970	-.14940	-.08830	-.08210	-.10290	-.10500	.28220	.61400
	GRADIENT	-.00080	-.00037	-.00037	-.00039	-.00139	-.00134	-.00144	-.00149	-.02825	.02786

RUN NO. 23/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	-6.307	-.08840	-.09290	-.09290	-.09260	-.01070	-.00900	-.03350	-.03620	.61320	.25820
3.001	-4.246	-.09460	-.09810	-.09780	-.09740	-.01490	-.01310	-.03930	-.04070	.55100	.30190
3.001	-3.178	-.09710	-.10020	-.10020	-.09950	-.01660	-.01480	-.04000	-.04240	.52130	.32440
3.001	-2.116	-.09950	-.10220	-.10190	-.10150	-.01770	-.01550	-.04100	-.04380	.49110	.35110
3.001	-1.054	-.10190	-.10360	-.10330	-.10290	-.01900	-.01720	-.04270	-.04550	.46270	.37690
3.001	.008	-.10360	-.10460	-.10430	-.10400	-.02110	-.01930	-.04480	-.04760	.43350	.40450
3.001	1.087	-.10500	-.10610	-.10570	-.10540	-.02290	-.02100	-.04720	-.04970	.40500	.43480
3.001	2.137	-.10570	-.10640	-.10640	-.10600	-.02460	-.02270	-.04890	-.05130	.37890	.46330
3.001	3.188	-.10430	-.10430	-.10430	-.10400	-.02530	-.02340	-.05000	-.05240	.35220	.49340
3.001	4.258	-.10430	-.10400	-.10400	-.10360	-.02660	-.02480	-.05140	-.05380	.32770	.52490
3.001	6.366	-.10660	-.10550	-.10590	-.10550	-.03230	-.02930	-.05560	-.05870	.28250	.58650
3.001	10.507	-.11290	-.11120	-.11150	-.11120	-.03790	-.03560	-.06320	-.06560	.21890	.73010
	GRADIENT	-.00119	-.00073	-.00076	-.00078	-.00142	-.00142	-.00161	-.00159	-.02639	.02637

AMES 118-1-87 OA145C 01 (E2H007) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 151/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.498	-6.538	-.06310	-.06630	-.06630	-.06590	.01270	.01960	-.01500	-.01860	.59030	.25290
3.498	-4.413	-.06670	-.06990	-.06950	-.06910	.01080	.01770	-.01770	-.02090	.53230	.29320
3.498	-2.273	-.07120	-.07520	-.07520	-.07480	.00590	.01280	-.02260	-.02580	.47170	.33760
3.498	-1.186	-.07370	-.07690	-.07650	-.07610	.00420	.01110	-.02470	-.02750	.44280	.36020
3.498	-.125	-.07440	-.07680	-.07680	-.07640	.00450	.01140	-.02440	-.02750	.41810	.38590
3.498	.970	-.07570	-.07810	-.07770	-.07730	.00330	.01020	-.02600	-.02870	.39220	.41450
3.498	2.035	-.07680	-.07880	-.07840	-.07800	.00130	.00870	-.02710	-.03030	.36950	.44420
3.498	3.103	-.07680	-.07840	-.07800	-.07720	.00050	.00780	-.02790	-.03070	.34730	.47280
3.498	4.182	-.07640	-.07720	-.07720	-.07680	.00050	.00740	-.02870	-.03190	.32540	.50520
3.498	6.302	-.07720	-.07800	-.07760	-.07720	-.00230	.00510	-.03190	-.03460	.28590	.56520
	GRADIENT	-.00113	-.00081	-.00082	-.00080	-.00115	-.00111	-.00118	-.00117	-.02384	.02479

AMES 118-1-87 OA145C 01 (E2H008) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 3.250

RUN NO. 147/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
2.493	-6.620	-.14020	-.14210	-.14180	-.14180	-.07530	-.07110	-.08220	-.08330	.62830	.25140
2.493	-4.514	-.14900	-.15060	-.15080	-.15060	-.08120	-.07700	-.08930	-.09060	.55320	.29270
2.493	-3.430	-.15090	-.15190	-.15190	-.15160	-.08270	-.07870	-.09120	-.09240	.51730	.32670
2.493	-2.349	-.15350	-.15390	-.15420	-.15390	-.08530	-.08100	-.09350	-.09460	.48730	.35130
2.493	-1.293	-.15670	-.15670	-.15670	-.15650	-.08750	-.08320	-.09570	-.09680	.45380	.37230
2.493	-.215	-.15740	-.15690	-.15690	-.15670	-.08910	-.08480	-.09750	-.09890	.42540	.39670
2.493	.871	-.15550	-.15480	-.15510	-.15480	-.09000	-.08560	-.09810	-.09950	.39190	.42970
2.493	1.960	-.15560	-.15440	-.15470	-.15440	-.09100	-.08660	-.09940	-.10070	.36890	.46640
2.493	3.033	-.15690	-.15580	-.15600	-.15560	-.09290	-.08830	-.10120	-.10300	.33880	.49580
2.493	4.109	-.15540	-.15400	-.15420	-.15400	-.09320	-.08880	-.10200	-.10340	.30880	.53310
2.493	6.241	-.15280	-.15030	-.15060	-.15030	-.09540	-.09070	-.10320	-.10480	.26320	.61540
	GRADIENT	-.00072	-.00038	-.00039	-.00038	-.00143	-.00139	-.00147	-.00151	-.02802	.02717

AMES 118-1-87 OA145C 01 (E2H009) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 4.000

RUN NO. 18/ 0 RN/L = 4.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
2.493	-6.679	-.13700	-.13860	-.13860	-.13840	-.07090	-.07030	-.07540	-.07620	.62950	.25160
2.493	-4.543	-.14420	-.14530	-.14530	-.14510	-.07700	-.07640	-.08200	-.08270	.55740	.29740
2.493	-3.461	-.14730	-.14800	-.14800	-.14790	-.07950	-.07900	-.08480	-.08560	.52190	.31910
2.493	-2.376	-.14950	-.14960	-.14960	-.14950	-.08170	-.08120	-.08690	-.08770	.48600	.35750
2.493	-1.289	-.15240	-.15220	-.15220	-.15210	-.08370	-.08320	-.08910	-.09000	.45810	.37780
2.493	-.225	-.15280	-.15230	-.15250	-.15230	-.08530	-.08470	-.09070	-.09190	.42790	.40810
2.493	2.002	-.15190	-.15120	-.15110	-.15090	-.08790	-.08730	-.09340	-.09480	.36460	.47030
2.493	4.134	-.15120	-.15000	-.15020	-.14980	-.09090	-.09030	-.09630	-.09770	.30080	.52810
2.493	6.267	-.14820	-.14630	-.14630	-.14630	-.09290	-.09240	-.09820	-.09940	.25540	.61420
	GRADIENT	-.00073	-.00048	-.00050	-.00047	-.00156	-.00155	-.00160	-.00169	-.02916	.02633

AMES 118-1-87 OA145C 01 (E2H010) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 31/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
2.493	-6.536	-.13920	-.13680	-.13680	-.13650	-.03990	-.03630	-.05070	-.05270	.65050	.26330
2.493	-4.400	-.14640	-.14340	-.14370	-.14310	-.04440	-.04080	-.05540	-.05720	.57260	.30430
2.493	-2.278	-.15270	-.14970	-.14940	-.14880	-.04890	-.04550	-.06080	-.06290	.50170	.36090
2.493	-1.212	-.15360	-.15060	-.15030	-.14970	-.05130	-.04770	-.06290	-.06500	.46930	.38200
2.493	-.137	-.15330	-.15030	-.15000	-.14940	-.05280	-.04950	-.06500	-.06740	.43990	.41420
2.493	.947	-.15330	-.15030	-.15000	-.14970	-.05490	-.05130	-.06660	-.06870	.40200	.44240
2.493	2.005	-.15390	-.15030	-.15030	-.14970	-.05670	-.05330	-.06890	-.07130	.37830	.47280
2.493	3.061	-.15240	-.14850	-.14850	-.14790	-.05790	-.05420	-.06950	-.07190	.34690	.50930
2.493	4.092	-.15300	-.14880	-.14850	-.14820	-.06050	-.05660	-.07190	-.07390	.31800	.54360
2.493	6.187	-.15240	-.14790	-.14760	-.14700	-.06390	-.06000	-.07490	-.07760	.27440	.62880
	GRADIENT	-.00054	-.00040	-.00037	-.00040	-.00183	-.00180	-.00187	-.00191	-.02971	.02793

AMES 118-1-87 OA145C 01 (E2H010) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 257/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	-6.407	-.08930	-.08830	-.08830	-.08760	.01460	.01770	-.00480	-.00750	.63520	.26620
3.001	-4.290	-.09580	-.09620	-.09620	-.09550	.00820	.01100	-.01220	-.01560	.56620	.31290
3.001	-3.214	-.09820	-.09890	-.09890	-.09820	.00580	.00860	-.01460	-.01800	.53040	.33950
3.001	-2.194	-.09960	-.10060	-.10030	-.09960	.00350	.00620	-.01730	-.02040	.49960	.36460
3.001	-1.124	-.10130	-.10230	-.10200	-.10130	.00280	.00550	-.01800	-.02140	.47090	.39240
3.001	-.068	-.10160	-.10200	-.10200	-.10090	.00140	.00420	-.01970	-.02280	.43980	.41940
3.001	1.024	-.10090	-.10090	-.10090	-.10030	.00040	.00310	-.02040	-.02350	.41110	.44830
3.001	2.081	-.10130	-.10100	-.10060	-.09990	-.00140	.00140	-.02180	-.02490	.38240	.47580
3.001	3.153	-.10230	-.10130	-.10130	-.10030	-.00370	-.00100	-.02450	-.02790	.35460	.50530
3.001	4.215	-.10300	-.10200	-.10160	-.10090	-.00610	-.00330	-.02690	-.02990	.32840	.53840
3.001	6.309	-.10430	-.10230	-.10200	-.10130	-.00990	-.00710	-.03100	-.03400	.28590	.60440
3.001	10.520	-.10640	-.10300	-.10300	-.10230	-.01390	-.01110	-.03570	-.03880	.22720	.75780
	GRADIENT	-.00069	-.00047	-.00044	-.00043	-.00153	-.00154	-.00156	-.00154	-.02777	.02629

RUN NO. 152/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.498	-6.474	-.06360	-.06240	-.06240	-.06160	.03640	.04360	.01140	.00790	.60020	.26340
3.498	-4.365	-.06800	-.06720	-.06680	-.06600	.03280	.03960	.00710	.00350	.53380	.30360
3.498	-2.213	-.06800	-.06950	-.06950	-.06870	.03000	.03680	.00390	.00030	.47290	.34830
3.498	-1.151	-.06920	-.07120	-.07120	-.07040	.02730	.03410	.00070	-.00280	.44590	.37320
3.498	-.062	-.07040	-.07200	-.07200	-.07120	.02610	.03330	.00000	-.00360	.41780	.39990
3.498	1.049	-.07120	-.07240	-.07200	-.07120	.02530	.03250	-.00040	-.00440	.39360	.42900
3.498	2.097	-.07040	-.07120	-.07120	-.07040	.02570	.03290	-.00010	-.00400	.36960	.45700
3.498	3.144	.42780	-.01490	-.10190	-.09150	.02460	.03140	-.00200	.00000	.34820	.48730
3.498	4.226	-.07200	-.07200	-.07160	-.07120	.02370	.03060	-.00240	-.00640	.32690	.51840
3.498	6.273	-.07350	-.07270	-.07230	-.07150	.02060	.02750	-.00590	-.00950	.28860	.58190
	GRADIENT	.02380	.00227	-.00196	-.00152	-.00101	-.00099	-.00104	-.00081	.02394	.02520

AMES 118-1-87 OA145C 01 (E2H011) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 28/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
2.493	.449	-.12810	-.13170	-.13170	-.13170	-.10860	-.10530	-.12330	-.12390	.30340	.38330
2.493	2.102	-.12980	-.13280	-.13280	-.13280	-.10890	-.10560	-.12380	-.12440	.31530	.38770
2.493	2.603	-.13050	-.13340	-.13340	-.13340	-.10920	-.10590	-.12390	-.12450	.31880	.39140
2.493	5.065	-.13410	-.13650	-.13650	-.13650	-.10840	-.10540	-.12370	-.12490	.33310	.41020
2.493	7.663	-.13930	-.14050	-.14080	-.14050	-.10590	-.10280	-.12110	-.12250	.34580	.43000
2.493	10.286	-.14130	-.14160	-.14190	-.14130	-.09890	-.09560	-.11350	-.11500	.35680	.44750
2.493	12.363	-.14370	-.14310	-.14340	-.14310	-.09260	-.08930	-.10660	-.10840	.36450	.45860
2.493	14.359	-.14670	-.14580	-.14610	-.14550	-.08550	-.08250	-.09950	-.10130	.37200	.46870
2.493	15.381	-.14790	-.14670	-.14670	-.14610	-.08100	-.07800	-.09470	-.09680	.37270	.47720
2.493	16.347	-.15000	-.14850	-.14850	-.14820	-.07710	-.07370	-.09050	-.09260	.37400	.47950
2.493	18.393	-.15270	-.15060	-.15030	-.15000	-.06700	-.06370	-.07980	-.08190	.37430	.48120
2.493	20.491	-.15300	-.14940	-.14940	-.14880	-.05500	-.05160	-.06690	-.06930	.37400	.47500
2.493	22.876	-.15150	-.14790	-.14790	-.14730	-.03950	-.03580	-.05080	-.05290	.37500	.47450
2.493	25.624	-.14850	-.14550	-.14550	-.14460	-.02000	-.01670	-.03040	-.03310	.36910	.46860
	GRADIENT	-.00109	-.00076	-.00076	-.00076	-.00025	-.00025	-.00028	-.00028	.00716	.00348

RUN NO. 26/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	.411	-.08860	-.09380	-.09380	-.09380	-.05720	-.05450	-.08240	-.08310	.31560	.37730
3.001	1.923	-.08970	-.09450	-.09450	-.09450	-.05690	-.05380	-.08170	-.08270	.32490	.38590
3.001	3.948	-.09210	-.09580	-.09580	-.09580	-.05590	-.05280	-.08140	-.08200	.33790	.39790
3.001	5.979	-.09440	-.09790	-.09790	-.09790	-.05480	-.05170	-.07960	-.08070	.34780	.41460
3.001	8.028	-.09790	-.10020	-.10020	-.10020	-.05240	-.04930	-.07660	-.07830	.35640	.42760
3.001	10.090	-.09990	-.10160	-.10160	-.10130	-.04700	-.04430	-.07050	-.07250	.36500	.44130
3.001	12.178	-.10330	-.10470	-.10470	-.10440	-.04050	-.03780	-.06370	-.06610	.37250	.45290
3.001	14.087	-.10570	-.10670	-.10640	-.10610	-.03330	-.03030	-.05550	-.05790	.37570	.46060
3.001	15.147	-.10610	-.10670	-.10640	-.10610	-.02830	-.02520	-.05140	-.05350	.37860	.46380
3.001	16.099	-.10570	-.10610	-.10610	-.10540	-.02420	-.02120	-.04670	-.04910	.38210	.46450
3.001	18.142	-.10400	-.10400	-.10370	-.10300	-.01330	-.01020	-.03470	-.03740	.38330	.47260
3.001	20.243	-.10090	-.10020	-.10020	-.09960	-.00140	.00170	-.02180	-.02480	.38400	.47630
3.001	22.219	-.09850	-.09820	-.09780	-.09720	.01120	.01440	-.00850	-.01220	.38460	.48000
3.001	26.329	-.09200	-.09030	-.09000	-.08930	.03810	.04090	.01980	.01640	.38570	.47910
3.001	29.557	-.08220	-.07980	-.07980	-.07880	.06190	.06510	.04630	.04290	.38930	.47310
	GRADIENT	-.00100	-.00057	-.00057	-.00057	.00037	.00048	.00028	.00031	.00631	.00583

AMES 118-1-87 OA145C 01 (E2H011) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 86/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.498	.077	-.06670	-.07330	-.07330	-.07330	-.02820	-.02230	-.06020	-.06140	.32270	.35490
3.498	2.252	-.06910	-.07410	-.07410	-.07370	-.02750	-.02160	-.05990	-.06070	.33410	.36860
3.498	8.729	-.07440	-.07780	-.07780	-.07740	-.01810	-.01220	-.04980	-.05210	.36260	.41090
3.498	9.877	-.07590	-.07900	-.07900	-.07860	-.01540	-.00950	-.04640	-.04910	.36630	.41660
3.498	11.899	-.07790	-.08060	-.08020	-.07980	-.00860	-.00270	-.03870	-.04140	.37230	.42870
3.498	13.874	-.07710	-.07900	-.07900	-.07820	.00030	.00610	-.02910	-.03260	.37730	.44130
3.498	14.910	-.07590	-.07780	-.07780	-.07700	.00530	.01110	-.02380	-.02680	.38030	.44430
3.498	15.874	-.07510	-.07670	-.07630	-.07550	.01000	.01580	-.01840	-.02220	.38500	.44560
3.498	17.922	-.07250	-.07370	-.07370	-.07290	.01960	.02540	-.00720	-.01140	.38680	.45180
3.498	19.999	-.06950	-.07030	-.06990	-.06950	.02880	.03460	.00430	.00010	.38660	.45700
3.498	22.477	-.06600	-.06600	-.06560	-.06530	.04260	.04800	.01890	.01470	.38930	.46430
3.498	25.146	-.06100	-.06060	-.06030	-.05990	.05800	.06340	.03460	.03000	.39300	.46340
	GRADIENT	-.00110	-.00037	-.00037	-.00018	.00032	.00032	.00014	.00032	.00524	.00630

AMES 118-1-87 OA145C 01 (E2H012) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 5.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 41/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	.182	-.08440	-.08920	-.08950	-.08950	-.05630	-.05060	-.07620	-.07690	.35800	.32720
3.000	1.965	-.08720	-.09120	-.09120	-.09120	-.05530	-.04960	-.07520	-.07630	.37180	.33560
3.000	6.010	-.09630	-.09940	-.09940	-.09900	-.05090	-.04550	-.07150	-.07320	.39390	.36280
3.000	8.005	-.09840	-.10070	-.10040	-.10010	-.04550	-.03970	-.06540	-.06750	.40580	.37570
3.000	10.062	-.09910	-.10040	-.10040	-.09970	-.03770	-.03190	-.05700	-.05900	.41610	.38590
3.000	12.123	-.10110	-.10180	-.10140	-.10080	-.02860	-.02280	-.04820	-.05090	.42560	.39540
3.000	14.119	-.10310	-.10350	-.10350	-.10280	-.01980	-.01400	-.03840	-.04140	.43100	.40080
3.000	15.155	-.10280	-.10310	-.10280	-.10210	-.01400	-.00820	-.03190	-.03530	.43420	.40270
3.000	16.146	-.10280	-.10280	-.10280	-.10210	-.00830	-.00250	-.02620	-.02920	.43640	.40520
3.000	18.170	-.10180	-.10140	-.10110	-.10040	.00430	.01010	-.01300	-.01670	.44070	.41230
3.000	20.229	-.09900	-.09840	-.09600	-.09740	.01780	.02360	.00130	-.00250	.44130	.41690
3.000	22.213	-.09460	-.09430	-.09400	-.09330	.03200	.03780	.01650	.01240	.44205	.42030
3.000	26.328	-.08550	-.08410	-.08380	-.08280	.06370	.06950	.05060	.04650	.44130	.41800
3.000	29.806	-.07430	-.07190	-.07190	-.07090	.09480	.10040	.08280	.07840	.44610	.41190
	GRADIENT	-.00157	-.00112	-.00095	-.00095	.00056	.00056	.00056	.00034	.00774	.00471

AMES 118-1-87 OA145C 01 (E2H013) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 40/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.000	.182	-.04820	.35750	.32670
3.000	2.411	-.04480	.37340	.33920
3.000	4.933	-.03940	.38750	.35670
3.000	10.065	-.01740	.41550	.38500
3.000	12.117	-.00590	.42480	.39510
3.000	14.124	.00660	.43080	.40110
3.000	15.160	.01340	.43380	.40300
3.000	16.146	.02020	.43670	.40520
3.000	18.170	.03640	.44020	.41180
3.000	20.226	.05370	.44070	.41640
3.000	22.628	.07600	.44130	.42000
3.000	25.394	.10200	.44090	.41920
	GRADIENT	.00186	.00630	.00633

RUN NO. 186/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.498	4.792	-.00560	.38290	.33520
3.498	7.315	.00340	.39330	.34900
3.498	9.766	.01480	.40040	.36010
3.498	11.811	.02610	.40690	.36940
3.498	13.830	.03640	.41190	.37860
3.498	14.856	.04290	.41430	.38260
3.498	15.885	.04930	.41610	.38520
3.498	17.854	.06110	.41530	.39290
3.498	19.953	.07830	.41450	.39730
3.498	22.428	.09870	.41390	.40450
	GRADIENT	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (E2HY13) (14 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 0/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	.182	-.08550	-.08920	-.08920	-.08920	-.05390	-.04820	-.07350	-.07420	.35750	.32670
3.000	2.411	-.08820	-.09120	-.09120	-.09120	-.05060	-.04480	-.07010	-.07150	.37340	.33920
3.000	4.933	-.09260	-.09500	-.09500	-.09460	-.04520	-.03940	-.06480	-.06650	.38750	.35670
3.000	10.065	-.09940	-.09970	-.09970	-.09900	-.02320	-.01740	-.04240	-.04480	.41550	.38500
3.000	12.117	-.10070	-.10040	-.10040	-.09970	-.01170	-.00590	-.02960	-.03230	.42480	.39510
3.000	14.124	-.10140	-.10070	-.10040	-.09970	.00080	.00660	-.01640	-.01940	.43080	.40110
3.000	15.160	-.10070	-.09970	-.09970	-.09870	.00760	.01340	-.00900	-.01230	.43380	.40300
3.000	16.146	-.10000	-.09900	-.09900	-.09800	.01440	.02020	-.00150	-.00450	.43670	.40520
3.000	18.170	-.09800	-.09700	-.09700	-.09600	.03060	.03640	.01540	.01140	.44020	.41180
3.000	20.226	-.09390	-.09290	-.09260	-.09160	.04820	.05370	.03370	.03030	.44070	.41640
3.000	22.628	-.08820	-.08720	-.08720	-.08580	.07020	.07600	.05640	.05270	.44130	.42000
3.000	25.394	-.08040	-.07870	-.07870	-.07730	.09620	.10200	.08510	.08140	.44090	.41920
	GRADIENT	-.00150	-.00123	-.00123	-.00114	.00184	.00186	.00184	.00163	.00630	.00633

AMES 118-1-87 OA145C 01 (E2H014) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	20.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 39/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	.181	-.08790	-.08990	-.08990	-.08990	-.05060	-.04480	-.07050	-.07290	.35760	.32680
3.000	2.440	-.09020	-.09160	-.09160	-.09130	-.04110	-.03570	-.06110	-.06440	.37490	.33860
3.000	4.954	-.09360	-.09470	-.09430	-.09360	-.02790	-.02210	-.04790	-.05160	.38750	.35600
3.000	7.465	-.09770	-.09770	-.09740	-.09670	-.01230	-.00660	-.03090	-.03530	.40240	.37120
3.000	10.066	-.09570	-.09530	-.09500	-.09400	.00900	.01480	-.00820	-.01330	.41540	.38460
3.000	12.139	-.09430	-.09330	-.09290	-.09160	.02530	.03110	.00870	.00230	.42440	.39430
3.000	14.123	-.09090	-.08960	-.08920	-.08750	.04280	.04830	.02700	.02020	.43070	.40060
3.000	15.156	-.08820	-.08650	-.08620	-.08480	.05260	.05840	.03780	.03100	.43340	.40300
3.000	16.146	-.08550	-.08380	-.08340	-.08180	.06220	.06800	.04800	.04090	.43610	.40490
3.000	18.177	-.07940	-.07770	-.07730	-.07530	.08380	.08970	.07100	.06320	.43970	.41120
3.000	20.228	-.07290	-.07090	-.07020	-.06850	.10750	.11330	.09570	.08760	.44090	.41690
3.000	22.618	-.06240	-.06170	-.06140	-.05970	.13760	.14340	.12720	.11970	.44090	.41930
3.000	25.389	-.05090	-.04950	-.04830	-.04650	.17650	.18210	.16680	.15910	.44060	.41890
	GRADIENT	-.00120	-.00101	-.00092	-.00078	.00477	.00477	.00474	.00447	.00624	.00613

AMES 118-1-87 OA145C 01 (E2H015) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6300 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-5.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 45/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	.188	-.08350	-.09110	-.09110	-.09110	-.05230	-.05100	-.07900	-.07930.	.35930	.32750
3.001	1.871	-.08560	-.09220	-.09220	-.09260	-.05130	-.05000	-.07800	-.07830	.37260	.33660
3.001	3.991	-.09130	-.09750	-.09790	-.09750	-.05340	-.05210	-.08080	-.08190	.38270	.35050
3.001	6.076	-.09720	-.10310	-.10270	-.10270	-.05370	-.05240	-.08150	-.08250	.39560	.36270
3.001	8.063	-.09960	-.10450	-.10450	-.10410	-.05270	-.05140	-.08080	-.08190	.40500	.37480
3.001	10.101	-.10030	-.10410	-.10410	-.10410	-.04810	-.04690	-.07560	-.07700	.41580	.38430
3.001	12.167	-.10240	-.10520	-.10520	-.10520	-.04220	-.04100	-.06910	-.07040	.42550	.39470
3.001	14.173	-.10450	-.10720	-.10690	-.10690	-.03530	-.03410	-.06140	-.06350	.43090	.40000
3.001	15.211	-.10450	-.10690	-.10690	-.10650	-.03110	-.02990	-.05690	-.05900	.43400	.40210
3.001	16.191	-.10450	-.10660	-.10660	-.10620	-.02700	-.02580	-.05210	-.05420	.43660	.40400
3.001	18.229	-.10510	-.10690	-.10650	-.10620	-.01760	-.01650	-.04210	-.04410	.43990	.41120
3.001	20.282	-.10370	-.10480	-.10480	-.10410	-.00710	-.00600	-.03160	-.03410	.44150	.41620
3.001	22.267	-.10100	-.10170	-.10130	-.10100	.00230	.00330	-.01990	-.02230	.44180	.41870
3.001	26.348	-.09570	-.09400	-.09400	-.09330	.02790	.02860	.00640	.00370	.44120	.41620
3.001	29.798	-.08560	-.08320	-.08320	-.08290	.05290	.05430	.03450	.03170	.44560	.41100
	GRADIENT	-.00208	-.00172	-.00183	-.00171	-.00032	-.00032	-.00051	-.00073	.00609	.00607

AMES 118-1-87 OA145C 01 (E2H016) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 46/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.001	.189	-.05390	.35670	.32580
3.001	2.462	-.05280	.37430	.33880
3.001	5.024	-.05240	.38900	.35670
3.001	7.613	-.05380	.40430	.37200
3.001	10.117	-.05040	.41630	.38500
3.001	12.158	-.04580	.42560	.39530
3.001	14.171	-.04140	.42990	.39960
3.001	15.226	-.03800	.43350	.40150
3.001	16.195	-.03390	.43580	.40350
3.001	18.219	-.02600	.43980	.41020
3.001	20.285	-.01740	.44100	.41560
3.001	22.765	-.00500	.44130	.41860
3.001	25.372	.00770	.44060	.41930
	GRADIENT	.00048	.00774	.00572

RUN NO. 185/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.498	4.799	-.02090	.38180	.33520
3.498	7.311	-.02010	.39240	.34860
3.498	9.751	-.01660	.40020	.35950
3.498	11.805	-.01190	.40650	.36900
3.498	13.823	-.00600	.41200	.37840
3.498	14.872	-.00330	.41360	.38150
3.498	15.854	-.00010	.41540	.38490
3.498	17.853	.00650	.41420	.39180
3.498	19.909	.01630	.41420	.39810
3.498	22.444	.02810	.41360	.40500
	GRADIENT	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (E2HY16) (14 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 0/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	.189	-.08180	-.09070	-.09070	-.09070	-.05520	-.05390	-.08140	-.08210	.35670	.32580
3.001	2.462	-.08480	-.09270	-.09270	-.09270	-.05370	-.05280	-.08070	-.08100	.37430	.33880
3.001	5.024	-.08960	-.09750	-.09750	-.09720	-.05370	-.05240	-.08060	-.08130	.38900	.35670
3.001	7.613	-.09650	-.10300	-.10270	-.10270	-.05510	-.05380	-.08300	-.08400	.40430	.37200
3.001	10.117	-.09710	-.10230	-.10200	-.10200	-.05160	-.05040	-.07920	-.08030	.41630	.38500
3.001	12.158	-.09920	-.10330	-.10330	-.10330	-.04710	-.04580	-.07400	-.07540	.42560	.39530
3.001	14.171	-.10300	-.10650	-.10650	-.10650	-.04260	-.04140	-.06960	-.07100	.42990	.39960
3.001	15.226	-.10380	-.10720	-.10720	-.10690	-.03920	-.03800	-.06550	-.06730	.43350	.40150
3.001	16.195	-.10380	-.10720	-.10690	-.10690	-.03510	-.03390	-.06140	-.06310	.43580	.40350
3.001	18.219	-.10480	-.10750	-.10720	-.10720	-.02710	-.02600	-.05280	-.05480	.43980	.41020
3.001	20.285	-.10410	-.10650	-.10650	-.10610	-.01880	-.01740	-.04310	-.04550	.44100	.41560
3.001	22.765	-.10160	-.10090	-.10230	-.10060	-.00640	-.00500	-.03010	-.03250	.44130	.41860
3.001	25.372	-.09990	-.09880	-.09850	-.09990	.00570	.00770	-.01320	-.01560	.44060	.41930
	GRADIENT	-.00132	-.00088	-.00088	-.00088	.00066	.00048	.00031	.00048	.00774	.00572

AMES 118-1-87 OA145C 01 (E2H017) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-20.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 47/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	.180	-.06750	-.08090	-.08130	-.08090	-.05160	-.04900	-.07580	-.07650	.35810	.32540
3.001	2.531	-.07510	-.08750	-.08750	-.08780	-.05440	-.05210	-.07960	-.08030	.37480	.33970
3.001	5.058	-.08230	-.09400	-.09440	-.09440	-.05680	-.05450	-.08300	-.08370	.38920	.35660
3.001	7.325	-.08780	-.09820	-.09820	-.09820	-.05680	-.05410	-.08330	-.08400	.40320	.37090
3.001	10.092	-.09310	-.10170	-.10200	-.10170	-.05890	-.05620	-.08550	-.08650	.41530	.38360
3.001	12.152	-.09480	-.10270	-.10270	-.10270	-.05680	-.05520	-.08440	-.08510	.42450	.39350
3.001	14.166	-.09650	-.10340	-.10380	-.10340	-.05370	-.05210	-.08100	-.08200	.43070	.39940
3.001	15.201	-.09820	-.10510	-.10480	-.10480	-.05200	-.05040	-.07890	-.08030	.43380	.40150
3.001	16.201	-.09990	-.10640	-.10610	-.10610	-.04920	-.04760	-.07640	-.07750	.43680	.40450
3.001	18.233	-.10300	-.10920	-.10920	-.10920	-.04400	-.04240	-.07160	-.07300	.43960	.41040
3.001	20.272	-.10370	-.10950	-.10950	-.10920	-.03810	-.03660	-.06550	-.06720	.44160	.41590
3.001	22.758	-.10540	-.10640	-.10640	-.10640	-.02920	-.02770	-.05550	-.05730	.44100	.41910
3.001	25.347	-.10540	-.10470	-.10470	-.10440	-.01780	-.01640	-.04280	-.04450	.44100	.41840
	GRADIENT	-.00323	-.00281	-.00264	-.00293	-.00119	-.00132	-.00162	-.00162	.00710	.00608

AMES 11B-1-87 OA145C 01 (E2H018) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -35.000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 48/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	.183	-.03850	-.05980	-.05870	-.05840	-.01040	-.00900	-.03020	-.03050	.35780	.32680
3.001	2.546	-.04750	-.07380	-.07280	-.07250	-.02520	-.02380	-.04800	-.04870	.37430	.33950
3.001	5.026	-.06330	-.08530	-.08460	-.08390	-.03800	-.03650	-.06240	-.06340	.38900	.35660
3.001	7.610	-.07220	-.09230	-.09200	-.09200	-.04690	-.04530	-.07220	-.07360	.40300	.37210
3.001	10.092	-.07690	-.09570	-.09570	-.09570	-.05070	-.04950	-.07700	-.07840	.41580	.38520
3.001	12.144	-.08000	-.09740	-.09740	-.09740	-.05230	-.05110	-.07940	-.08040	.42510	.39450
3.001	14.159	-.08300	-.09980	-.09980	-.09940	-.05330	-.05180	-.08070	-.08170	.43050	.39990
3.001	15.197	-.08680	-.10290	-.10260	-.10260	-.05540	-.05390	-.08240	-.08380	.43230	.40100
3.001	16.189	-.08730	-.10330	-.10300	-.10300	-.05580	-.05390	-.08280	-.08420	.43540	.40370
3.001	18.203	-.08690	-.10160	-.10130	-.10090	-.05540	-.05390	-.08320	-.08450	.43840	.40880
3.001	20.276	-.10020	-.10640	-.10610	-.10610	-.05620	-.05460	-.08420	-.08560	.43990	.41470
3.001	22.801	-.10780	-.10980	-.10950	-.10950	-.05410	-.05260	-.08250	-.08420	.44000	.41790
3.001	25.519	-.10610	-.10710	-.10710	-.10710	-.04800	-.04650	-.07540	-.07710	.44000	.41720
	GRADIENT	-.00381	-.00592	-.00597	-.00597	-.00626	-.00626	-.00753	-.00770	.00698	.00537

AMES 118-I-87 OA145C 01 (E2H019) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 38/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-14.961	-.09330	-.10010	-.10010	-.10010	-.05940	-.05400	-.08170	-.08270	.41600	.38520
3.000	-12.946	-.09420	-.10040	-.10070	-.10070	-.05910	-.05370	-.08100	-.08170	.41600	.38460
3.000	-9.926	-.09630	-.10110	-.10110	-.10110	-.05740	-.05190	-.07890	-.08000	.41610	.38530
3.000	-7.940	-.09740	-.10180	-.10180	-.10140	-.05600	-.05060	-.07730	-.07860	.41680	.38600
3.000	-4.945	-.09840	-.10210	-.10180	-.10180	-.05330	-.04790	-.07430	-.07560	.41640	.38560
3.000	-3.921	-.09880	-.10210	-.10210	-.10180	-.05300	-.04760	-.07360	-.07530	.41640	.38560
3.000	-1.934	-.09900	-.10210	-.10210	-.10180	-.05030	-.04480	-.07120	-.07290	.41610	.38530
3.000	.040	-.09910	-.10140	-.10140	-.10110	-.04780	-.04210	-.06810	-.07020	.41640	.38590
3.000	2.023	-.09910	-.10140	-.10110	-.10080	-.04480	-.03940	-.06510	-.06710	.41590	.38510
3.000	4.024	-.09980	-.10110	-.10110	-.10080	-.04180	-.03600	-.06070	-.06310	.41610	.38490
3.000	5.026	-.09980	-.10110	-.10080	-.10040	-.03870	-.03330	-.05800	-.06040	.41610	.38530
3.000	8.016	-.10010	-.10110	-.10110	-.10040	-.03200	-.02620	-.05160	-.05360	.41610	.38530
3.000	10.024	-.10010	-.10040	-.10040	-.09980	-.02490	-.01940	-.04450	-.04720	.41670	.38550
	GRADIENT	-.00012	.00012	.00012	.00014	.00132	.00135	.00151	.00140	-.00004	-.00007

AMES 118-1-87 OA145C 01 (E2H020) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 32/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
2.493	-14.938	-.14550	-.14760	-.14790	-.14760	-.10510	-.10120	-.11920	-.11980	.43120	.40460
2.493	-12.961	-.14730	-.14880	-.14910	-.14910	-.10210	-.09850	-.11680	-.11740	.43070	.40500
2.493	-9.941	-.14850	-.14940	-.14970	-.14940	-.09820	-.09430	-.11200	-.11260	.43130	.40380
2.493	-7.960	-.14880	-.14940	-.14940	-.14910	-.09470	-.09070	-.10810	-.10900	.43180	.40610
2.493	-4.920	-.14940	-.14940	-.14940	-.14910	-.08960	-.08590	-.10300	-.10450	.42980	.40370
2.493	-3.946	-.14940	-.14970	-.14940	-.14940	-.08780	-.08390	-.10120	-.10240	.43250	.40590
2.493	-1.958	-.14940	-.14940	-.14910	-.14880	-.08390	-.08000	-.09670	-.09820	.43090	.40510
2.493	.028	-.14970	-.14940	-.14940	-.14910	-.08000	-.07640	-.09310	-.09490	.43220	.40440
2.493	2.008	-.15000	-.14940	-.14910	-.14880	-.07530	-.07160	-.08810	-.09040	.43120	.40490
2.493	4.015	-.15000	-.14910	-.14910	-.14850	-.06950	-.06560	-.08150	-.08420	.43160	.40410
2.493	5.036	-.14970	-.14850	-.14850	-.14790	-.06540	-.06170	-.07730	-.08030	.43150	.40520
2.493	8.028	-.14850	-.14670	-.14670	-.14610	-.05170	-.04800	-.06320	-.06590	.43080	.40510
2.493	10.016	-.14670	-.14460	-.14460	-.14370	-.03850	-.03480	-.04860	-.05130	.43110	.40540
	GRADIENT	-.00008	.00004	.00003	.00007	.00221	.00221	.00234	.00219	.00008	-.00004

RUN NO. 33/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-14.966	-.10050	-.10530	-.10530	-.10530	-.05120	-.04640	-.07270	-.07400	.43390	.40210
3.000	-12.964	-.10120	-.10530	-.10530	-.10530	-.04840	-.04360	-.06960	-.07130	.43380	.40240
3.000	-9.946	-.10220	-.10560	-.10560	-.10560	-.04470	-.03990	-.06550	-.06690	.43290	.40210
3.000	-7.935	-.10250	-.10560	-.10560	-.10560	-.04160	-.03680	-.06240	-.06410	.43320	.40240
3.000	-4.933	-.10320	-.10560	-.10560	-.10530	-.03710	-.03200	-.05690	-.05860	.43330	.40250
3.000	-3.938	-.10360	-.10600	-.10570	-.10530	-.03640	-.03160	-.05630	-.05830	.43330	.40250
3.000	-1.958	-.10390	-.10530	-.10530	-.10500	-.03270	-.02790	-.05320	-.05490	.43350	.40240
3.000	.041	-.10360	-.10490	-.10460	-.10430	-.02850	-.02370	-.04940	-.05180	.43400	.40250
3.000	2.023	-.10390	-.10460	-.10460	-.10390	-.02450	-.01970	-.04500	-.04770	.43350	.40240
3.000	4.001	-.10430	-.10460	-.10430	-.10360	-.01900	-.01390	-.03820	-.04120	.43330	.40210
3.000	5.002	-.10390	-.10390	-.10390	-.10320	-.01590	-.01070	-.03470	-.03780	.43330	.40290
3.000	8.018	-.10290	-.10250	-.10220	-.10150	-.00430	.00090	-.02240	-.02580	.43330	.40290
3.000	10.026	-.10180	-.10120	-.10080	-.09980	.00460	.00980	-.01280	-.01660	.43390	.40280
	GRADIENT	-.00009	.00015	.00016	.00021	.00204	.00204	.00205	.00191	.00002	-.00003

AMES 11B-1-87 OA145C 01 (E2H020) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 847 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.498	-14.935	-.07200	-.07860	-.07860	-.07860	-.01350	-.00780	-.04620	-.04810	.43050	.38670
3.498	-12.951	-.07230	-.07820	-.07820	-.07780	-.01420	-.00860	-.04300	-.04530	.42810	.38630
3.498	-9.941	-.07480	-.07950	-.07950	-.07920	-.00900	-.00340	-.04050	-.04280	.42950	.38580
3.498	-7.942	-.07290	-.07720	-.07720	-.07680	-.00460	.00060	-.03600	-.03830	.42970	.38690
3.498	-4.943	-.07570	-.07880	-.07880	-.07840	-.00180	.00380	-.03250	-.03520	.42830	.38550
3.498	-3.932	-.07530	-.07850	-.07850	-.07810	-.00060	.00490	-.03130	-.03400	.42870	.38510
3.498	-1.925	-.07610	-.07890	-.07890	-.07810	.00210	.00770	-.02780	-.03090	.42820	.38530
3.498	.029	-.07580	-.07810	-.07770	-.07730	.00580	.01190	-.02360	-.02680	.42940	.38590
3.498	2.043	-.07620	-.07810	-.07770	-.07700	.00970	.01560	-.01860	-.02290	.42850	.38540
3.498	4.024	-.07630	-.07790	-.07790	-.07710	.01420	.01970	-.01450	-.01880	.42910	.38560
3.498	5.039	-.07550	-.07660	-.07620	-.07580	.01690	.02200	-.01100	-.01570	.42840	.38570
3.498	8.028	-.07520	-.07600	-.07560	-.07480	.02500	.03040	-.00050	-.00520	.42770	.38520
3.498	10.019	-.07420	-.07460	-.07460	-.07340	.03230	.03730	.00760	.00300	.42740	.38500
	GRADIENT	-.00009	.00010	.00012	.00016	.00178	.00180	.00206	.00185	.00007	.00003

AMES 118-1-87 OA145C 01 (E2H021) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 37/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-14.945	-.10310	-.10690	-.10690	-.10650	-.03470	-.02930	-.05500	-.05670	.44080	.41640
3.000	-12.959	-.10280	-.10580	-.10580	-.10550	-.03030	-.02490	-.05130	-.05300	.44110	.41640
3.000	-9.943	-.10280	-.10520	-.10480	-.10450	-.02450	-.01910	-.04480	-.04690	.44080	.41670
3.000	-7.937	-.10250	-.10450	-.10420	-.10380	-.02010	-.01470	-.03980	-.04210	.44010	.41640
3.000	-4.935	-.10210	-.10350	-.10310	-.10280	-.01340	-.00790	-.03230	-.03470	.44060	.41620
3.000	-3.943	-.10210	-.10310	-.10280	-.10240	-.01100	-.00590	-.03030	-.03300	.44030	.41660
3.000	-1.942	-.10180	-.10240	-.10240	-.10180	-.00660	-.00120	-.02550	-.02860	.44020	.41660
3.000	.015	-.10070	-.10110	-.10110	-.10040	-.00120	.00390	-.01980	-.02310	.44070	.41710
3.000	2.023	-.10080	-.10080	-.10040	-.09970	.00390	.00900	-.01440	-.01810	.44040	.41670
3.000	4.017	-.09970	-.09940	-.09900	-.09840	.01200	.01710	-.00520	-.00930	.44030	.41660
3.000	5.011	-.09940	-.09900	-.09840	-.09770	.01610	.02120	-.00110	-.00550	.44050	.41650
3.000	8.036	-.09730	-.09600	-.09560	-.09500	.03060	.03580	.01480	.01040	.44070	.41670
3.000	10.019	-.09500	-.09390	-.09360	-.09260	.04520	.05070	.03030	.02630	.44100	.41660
	GRADIENT	.00027	.00044	.00045	.00049	.00275	.00272	.00294	.00276	-.00001	.00004

AMES 118-1-87 OA145C 01 (E2H022) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 93/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.247	-.00600	.57640	.24030
3.000	-4.169	-.01040	.51990	.28230
3.000	-2.037	-.01440	.46450	.32920
3.000	-.984	-.01570	.43910	.35440
3.000	.089	-.01730	.41040	.38230
3.000	1.131	-.01830	.38450	.41000
3.000	2.175	-.01970	.36000	.43510
3.000	3.212	-.02100	.33560	.46130
3.000	4.242	-.02270	.31240	.48980
3.000	6.401	-.02470	.27200	.54890
	GRADIENT	-.00139	-.02473	.02482

AMES 118-1-87 OA145C 01 (E2H023) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 92/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.344	.03020	.61130	.25540
3.000	-4.241	.02560	.54730	.29740
3.000	-2.096	.02150	.48710	.34620
3.000	-1.075	.01850	.45880	.37250
3.000	-.013	.01590	.42940	.40060
3.000	1.058	.01330	.40120	.43090
3.000	2.115	.01100	.37420	.46030
3.000	3.164	.01000	.34820	.49000
3.000	4.232	.00770	.32320	.52000
3.000	6.364	.00350	.28000	.58450
	GRADIENT	-.00216	-.02651	.02659

AMES 118-1-87 OA145C 01 (E2H024) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 89/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.371	.07270	.62650	.26360
3.000	-4.257	.06640	.56000	.30920
3.000	-2.183	.06270	.49450	.36070
3.000	-1.117	.06170	.46500	.38850
3.000	-.068	.06070	.43560	.41490
3.000	1.018	.05740	.40630	.44410
3.000	2.096	.05400	.37780	.47170
3.000	3.143	.05070	.35050	.50070
3.000	4.206	.04770	.32490	.53310
3.000	6.332	.04140	.28380	.59910
	GRADIENT	-.00222	-.02762	.02631

AMES 118-1-87 OA145C 01 (E2H025) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 94/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.264	-.03960	.57670	.24050
3.000	-2.042	-.04690	.46510	.33030
3.000	-.989	-.04920	.43990	.35460
3.000	.076	-.05150	.41070	.38190
3.000	1.119	-.05220	.38620	.41070
3.000	2.171	-.05380	.36120	.43570
3.000	3.222	-.05510	.33510	.46180
3.000	4.247	-.05640	.31310	.48940
3.000	6.400	-.05710	.27290	.54870
	GRADIENT	-.00145	-.02434	.02537

AMES 118-1-87 OA145C 01 (E2H026) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 91/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.338	-.02510	.61100	.25470
3.000	-4.253	-.03010	.54770	.29760
3.000	-2.141	-.03380	.48790	.34610
3.000	-1.081	-.03520	.45960	.37230
3.000	-.004	-.03690	.42970	.40060
3.000	1.076	-.03780	.39980	.43160
3.000	2.133	-.03950	.37460	.46090
3.000	3.210	-.04060	.34730	.49050
3.000	4.246	-.04090	.32360	.52060
3.000	6.359	-.04220	.29200	.58570
	GRADIENT	-.00129	-.02644	.02649

AMES 118-1-87 OA145C 01 (E2H027) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 90/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.382	-.00460	.62770	.26280
3.000	-4.243	-.01040	.55780	.30790
3.000	-2.178	-.01330	.49420	.36070
3.000	-1.114	-.01470	.46430	.38770
3.000	-.055	-.01600	.43460	.41460
3.000	1.012	-.01670	.40560	.44310
3.000	2.077	-.01800	.37840	.47110
3.000	3.150	-.01940	.35060	.50080
3.000	4.219	-.02140	.32570	.53410
3.000	6.314	-.02440	.28430	.60000
	GRADIENT	-.00123	-.02735	.02651

AMES 11ft-1-87 OA145C 01 (E2H028) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 78/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
3.001	-14.973	-.05510	.36300	.43880
3.001	-12.961	-.05380	.36260	.43900
3.001	-9.936	-.05280	.36150	.43770
3.001	-7.930	-.05120	.36200	.43750
3.001	-7.332	-.04550	.37600	.46290
3.001	-5.943	-.04920	.36120	.43810
3.001	-4.956	-.04780	.36180	.43810
3.001	-3.936	-.04680	.36150	.43770
3.001	-1.943	-.04450	.36180	.43770
3.001	.035	-.04180	.36140	.43830
3.001	2.036	-.03810	.36160	.43780
3.001	4.015	-.03440	.36170	.43830
3.001	5.031	-.03310	.36180	.43810
3.001	8.029	-.02570	.36160	.43780
3.001	10.025	-.01800	.36170	.43830
	GRADIENT	.00149	-.00001	.00003

AMES 118-1-87 OA145C 01 (E2H029) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 79/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
3.001	-14.950	-.04510	.37630	.46310
3.001	-12.951	-.04250	.37660	.46310
3.001	-9.931	-.03770	.37630	.46320
3.001	-7.939	-.03480	.37600	.46290
3.001	-4.941	-.03010	.37590	.46280
3.001	-3.949	-.02870	.37570	.46290
3.001	-1.941	-.02600	.37550	.46270
3.001	-.449	-.02300	.37610	.46270
3.001	.033	-.02270	.37600	.46290
3.001	2.041	-.01840	.37630	.46320
3.001	4.022	-.01300	.37550	.46280
3.001	5.021	-.00990	.37610	.46310
3.001	8.020	.00140	.37570	.46320
3.001	10.010	.01110	.37630	.46290
	GRADIENT	.00196	.00001	.00002

AMES 118-1-87 OA145C 01 (E2H030) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	2.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 80/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
3.001	-14.966	-.02810	.38130	.47230
3.001	-12.971	-.02370	.38130	.47260
3.001	-9.934	-.01730	.38120	.47290
3.001	-7.935	-.01230	.38130	.47280
3.001	-4.951	-.00570	.38140	.47300
3.001	-3.938	-.00320	.38180	.47270
3.001	-1.939	.00110	.38130	.47280
3.001	.043	.00590	.38130	.47300
3.001	2.038	.01050	.38050	.47210
3.001	4.011	.01850	.38170	.47290
3.001	5.031	.02220	.38210	.47300
3.001	8.007	.03790	.38190	.47370
3.001	10.028	.05230	.38160	.47320
	GRADIENT	.00259	-.00004	-.00003

AMES 118-1-87 OA145C 01 (E2H031) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 64/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
3.001	-4.972	-.04540	.41380	.38540
3.001	-2.991	-.04320	.41420	.38540
3.001	-1.978	-.04180	.41360	.38550
3.001	-.979	-.04020	.41330	.38560
3.001	-.000	-.03880	.41350	.38540
3.001	.984	-.03710	.41370	.38570
3.001	1.988	-.03580	.41330	.38560
3.001	2.976	-.03400	.41340	.38570
3.001	4.982	-.02970	.41280	.38540
3.001	7.979	-.02190	.41280	.38580
3.001	9.981	-.01580	.41340	.38640
	GRADIENT	.00156	-.00010	.00002

AMES 118-1-87 OA145C 01 (E2H032) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 34/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
3.000	-4.978	-.03130	.43430	.40240
3.000	-2.983	-.02890	.43370	.40250
3.000	-1.973	-.02750	.43360	.40210
3.000	-.979	-.02510	.43350	.40240
3.000	-.006	-.02370	.43300	.40220
3.000	.977	-.02130	.43340	.40260
3.000	1.993	-.01890	.43340	.40230
3.000	2.983	-.01650	.43330	.40250
3.000	4.968	-.01040	.43350	.40300
3.000	7.972	.00020	.43330	.40320
3.000	9.980	.01080	.43330	.40360
	GRADIENT	.00210	-.00007	.00005

AMES 118-1-87 OA145C 01 (E2H032) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 176/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
3.496	-4.982	.00860	.41640	.38350
3.496	-2.985	.01160	.41650	.38320
3.496	-1.973	.01290	.41570	.38350
3.496	-.986	.01520	.41590	.38340
3.496	.005	.01670	.41560	.38350
3.496	.984	.01800	.41610	.38350
3.496	1.991	.02030	.41590	.38380
3.496	2.977	.02260	.41600	.38350
3.496	4.969	.02850	.41640	.38420
3.496	7.983	.03760	.41560	.38420
3.496	9.997	.04380	.41590	.38380
	GRADIENT	.00194	-.00001	.00007

AMES 118-1-87 OA145C 01 (E2HY32) (14 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 0/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-4.978	-.10250	-.10460	-.10460	-.10420	-.03640	-.03130	-.05590	-.05800	.43430	.40240
3.000	-2.983	-.10290	-.10490	-.10490	-.10420	-.03370	-.02890	-.05390	-.05590	.43370	.40250
3.000	-1.973	-.10360	-.10530	-.10530	-.10490	-.03270	-.02750	-.05280	-.05450	.43360	.40210
3.000	-.979	-.10390	-.10530	-.10530	-.10490	-.03020	-.02510	-.05070	-.05280	.43350	.40240
3.000	-.006	-.10360	-.10490	-.10460	-.10420	-.02860	-.02370	-.04940	-.05180	.43300	.40220
3.000	.977	-.10350	-.10460	-.10420	-.10390	-.02610	-.02130	-.04660	-.04940	.43340	.40260
3.000	1.993	-.10350	-.10420	-.10420	-.10350	-.02370	-.01890	-.04390	-.04660	.43340	.40230
3.000	2.983	-.10350	-.10420	-.10390	-.10350	-.02130	-.01650	-.04150	-.04460	.43330	.40250
3.000	4.968	-.10350	-.10350	-.10350	-.10290	-.01560	-.01040	-.03470	-.03780	.43350	.40300
3.000	7.972	-.10210	-.10210	-.10180	-.10110	-.00460	.00020	-.02340	-.02650	.43330	.40320
3.000	9.980	-.10110	-.10040	-.10010	-.09910	.00600	.01080	-.01170	-.01520	.43330	.40360
	GRADIENT	-.00008	.00014	.00015	.00016	.00211	.00210	.00213	.00199	-.00007	.00005

AMES 118-1-87 OA145C 01 (E2H033) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 71/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
3.001	-4.990	-.00470	.43770	.41610
3.001	-2.991	.00010	.43740	.41540
3.001	-1.973	.00280	.43740	.41610
3.001	-.978	.00560	.43720	.41590
3.001	-.002	.00780	.43680	.41620
3.001	.979	.01090	.43750	.41620
3.001	1.994	.01330	.43700	.41670
3.001	2.968	.01700	.43700	.41670
3.001	4.975	.02550	.43690	.41690
3.001	7.987	.04170	.43690	.41690
3.001	9.992	.05630	.43650	.41760
	GRADIENT	.00294	-.00007	.00012

AMES 118-1-87 OA145C 01 (E2H034) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 67/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.001	.287	-.05040	.35500	.32560
3.001	1.922	-.04880	.36680	.33330
3.001	3.966	-.04700	.37930	.34780
3.001	5.958	-.04500	.39140	.36030
3.001	7.984	-.03990	.40090	.37180
3.001	10.046	-.03150	.41100	.38330
3.001	12.130	-.02230	.42020	.39280
3.001	14.136	-.01390	.42610	.39900
3.001	15.194	-.00810	.42820	.40320
3.001	16.110	-.00330	.43010	.40640
3.001	18.189	.00980	.43420	.41190
3.001	20.246	.02370	.43510	.41590
3.001	22.223	.03770	.43550	.41890
3.001	26.317	.07080	.43650	.41690
3.001	29.822	.10170	.44030	.41190
	GRADIENT	.00092	.00659	.00608

AMES 118-1-87 OA145C 01 (E2H035) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. = 77/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
3.001	-14.952	-.04930	.41280	.38540
3.001	-12.949	-.04760	.41260	.38530
3.001	-9.948	-.04390	.41280	.38510
3.001	-7.964	-.04220	.41310	.38530
3.001	-4.948	-.03850	.41290	.38550
3.001	-3.966	-.03710	.41230	.38530
3.001	-1.967	-.03410	.41170	.38430
3.001	.026	-.03000	.41260	.38460
3.001	2.035	-.02490	.41290	.38520
3.001	4.045	-.01950	.41250	.38510
3.001	5.018	-.01510	.41250	.38520
3.001	8.016	-.00530	.41270	.38500
3.001	10.017	.00520	.41310	.38540
	GRADIENT	.00210	.00002	-.00002

AMES 118-1-87 OA145C 01 (E2H036) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 76/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
3.001	-14.960	-.03280	.43150	.40520
3.001	-12.942	-.02970	.43140	.40540
3.001	-9.953	-.02630	.43040	.40440
3.001	-7.970	-.02430	.43000	.40390
3.001	-4.968	-.01820	.43060	.40500
3.001	-3.964	-.01620	.43060	.40460
3.001	-1.972	-.01100	.43010	.40480
3.001	.037	-.00530	.43010	.40480
3.001	2.032	.00250	.43050	.40510
3.001	4.027	.01170	.43040	.40440
3.001	5.009	.01740	.43050	.40440
3.001	8.025	.03300	.43080	.40480
3.001	10.015	.04920	.43000	.40470
	GRADIENT	.00328	-.00002	-.00002

AMES 118-1-87 OA145C 01 (E2H037) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 75/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
3.001	-14.950	-.01340	.43780	.41620
3.001	-12.929	-.00800	.43740	.41610
3.001	-9.960	-.00120	.43710	.41580
3.001	-7.960	.00350	.43760	.41630
3.001	-4.944	.01060	.43730	.41600
3.001	-3.971	.01360	.43730	.41600
3.001	-1.954	.01980	.43750	.41690
3.001	.024	.02850	.43750	.41650
3.001	2.037	.03900	.43770	.41680
3.001	4.038	.05260	.43710	.41650
3.001	5.015	.06000	.43690	.41630
3.001	10.010	.10000	.43760	.41730
	GRADIENT	.00458	.00000	.00007

AMES 118-1-87 OA145C 01 (E2H038) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	-10.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 65/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
3.001	-5.001	-.05330	.41400	.38520
3.001	-3.005	-.05200	.41390	.38550
3.001	-1.996	-.05130	.41370	.38520
3.001	-.984	-.05060	.41370	.38570
3.001	-.107	-.04990	.41370	.38590
3.001	.971	-.04890	.41360	.38550
3.001	2.004	-.04820	.41360	.38620
3.001	3.009	-.04690	.41340	.38570
3.001	5.010	-.04480	.41360	.38620
3.001	8.004	-.04180	.41350	.38640
3.001	10.001	-.03880	.41390	.38620
	GRADIENT	.00083	-.00006	.00009

AMES 118-1-87 OA145C 01 (E2H039) (25 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 61/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
3.001	-5.001	-.04410	.43170	.40460
3.001	-3.008	-.04110	.43150	.40410
3.001	-2.188	-.04140	.43080	.40370
3.001	-.994	-.03970	.43030	.40320
3.001	-.108	-.03800	.43030	.40360
3.001	.941	-.03630	.43020	.40380
3.001	2.006	-.03500	.43050	.40370
3.001	3.002	-.03330	.43030	.40390
3.001	5.011	-.03050	.43010	.40400
3.001	8.009	-.02540	.42970	.40360
3.001	10.003	-.02140	.42960	.40380
	GRADIENT	.00140	-.00015	.00000

AMES 118-1-87 OA145C 01 (E2H040) (25 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = -10.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 70/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
3.001	-4.993	-.02630	.43750	.41550
3.001	-3.004	-.02230	.43750	.41590
3.001	-2.000	-.02090	.43690	.41560
3.001	-.987	-.01860	.43720	.41590
3.001	.011	-.01650	.43660	.41590
3.001	1.000	-.01410	.43670	.41610
3.001	1.991	-.01150	.43660	.41630
3.001	3.007	-.00940	.43660	.41640
3.001	5.012	-.00500	.43670	.41640
3.001	7.996	.00240	.43620	.41630
3.001	9.994	.00750	.43670	.41680
	GRADIENT	.00213	-.00013	.00011

AMES 118-1-87 OA145C 01 (E2H041) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 66/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.001	.250	-.05230	.35540	.32530
3.001	1.917	-.05130	.36840	.33430
3.001	3.967	-.05160	.38030	.34810
3.001	5.976	-.05160	.39300	.36050
3.001	7.981	-.05050	.40130	.37230
3.001	10.080	-.04570	.41200	.38430
3.001	12.120	-.03970	.42100	.39300
3.001	14.150	-.03320	.42700	.39970
3.001	15.167	-.02920	.42900	.40370
3.001	16.162	-.02510	.43090	.40690
3.001	18.204	-.01670	.43430	.41240
3.001	20.230	-.00620	.43620	.41660
3.001	22.230	.00470	.43590	.41910
3.001	26.327	.02930	.43710	.41760
3.001	29.821	.05520	.43990	.41050
	GRADIENT	.00018	.00667	.00616

AMES 118-1-87 OA145C 01 (E2H042) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN.	XO
LREF =	474.8100	INCHES	YMRP =	.0000	IN.	YO
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN.	ZO
SCALE =	.0500					

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 63/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
3.001	-5.009	-.02950	.41330	.38480
3.001	-3.512	-.02480	.41320	.38480
3.001	-2.007	-.02100	.41380	.38530
3.001	-1.007	-.01870	.41310	.38570
3.001	-.007	-.01600	.41340	.38560
3.001	.990	-.01320	.41300	.38490
3.001	1.987	-.01020	.41300	.38560
3.001	2.987	-.00710	.41300	.38560
3.001	4.992	.00100	.41300	.38560
3.001	7.734	.01020	.41290	.38540
3.001	9.985	.01660	.41270	.38560
	GRADIENT	.00297	-.00006	.00007

AMES 118-1-87 OA145C 01 (E2H043) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN.	XO
LREF =	474.8100	INCHES	YMRP =	.0000	IN.	YO
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN.	ZO
SCALE =	.0500					

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 62/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
3.001	-5.017	-.00980	.43070	.40360
3.001	-3.522	-.00310	.43050	.40340
3.001	-2.013	.00210	.43040	.40360
3.001	-1.005	.00640	.43020	.40340
3.001	-.005	.01150	.43050	.40370
3.001	.998	.01530	.43030	.40420
3.001	1.990	.01970	.42980	.40410
3.001	2.981	.02550	.43000	.40420
3.001	4.991	.03840	.43000	.40420
3.001	7.739	.05100	.43020	.40480
3.001	9.985	.06520	.42990	.40450
	GRADIENT	.00481	-.00007	.00011

AMES 118-1-87 OA145C 01 (E2H044) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. XO
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	10.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 727 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
3.001	-5.002	.02720	.43880	.41590
3.001	-3.522	.03630	.43810	.41620
3.001	-2.007	.04210	.43820	.41660
3.001	-1.005	.04950	.43780	.41590
3.001	-.000	.05660	.43760	.41590
3.001	.991	.06270	.43720	.41660
3.001	1.988	.07120	.43790	.41660
3.001	2.991	.08070	.43760	.41670
3.001	5.006	.09640	.43640	.41610
3.001	7.739	.11030	.43620	.41630
3.001	9.978	.12300	.43510	.41650
	GRADIENT	.00688	-.00009	.00007

AMES 118-1-87 OA145C 01 (E2H045) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 68/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.001	.259	-.04530	.35520	.32580
3.001	1.945	-.04060	.36750	.33370
3.001	3.968	-.03390	.38000	.34760
3.001	5.994	-.02500	.39220	.36070
3.001	7.999	-.01420	.40130	.37230
3.001	10.074	.00070	.41190	.38380
3.001	12.152	.01630	.42030	.39330
3.001	14.142	.03190	.42680	.39980
3.001	15.204	.04100	.42860	.40390
3.001	16.158	.05060	.43110	.40640
3.001	18.169	.07150	.43430	.41230
3.001	20.233	.09450	.43580	.41650
3.001	22.223	.11700	.43600	.41910
3.001	26.362	.16940	.43710	.41720
3.001	29.823	.22420	.44010	.41270
	GRADIENT	.00308	.00667	.00591

AMES 118-1-87 OA145C 01 (E2H046) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 69/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.001	-6.339	.00650	.61200	.25530
3.001	-4.245	.00230	.54920	.29900
3.001	-3.171	.00110	.51990	.32230
3.001	-2.129	-.00170	.49010	.34750
3.001	-1.057	-.00370	.46080	.37500
3.001	-.015	-.00570	.43190	.40220
3.001	1.062	-.00770	.40220	.43330
3.001	2.108	-.00980	.37630	.46170
3.001	3.185	-.01080	.34980	.49210
3.001	4.224	-.01250	.32580	.52250
3.001	6.343	-.01560	.28360	.58620
	GRADIENT	-.00181	-.02660	.02660

AMES 118-1-87 OA145C 01 (E2H047) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	-5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 179/ 0 RN/L = 2.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.496	4.752	-.01690	.38340	.33570
3.496	7.294	-.01500	.39480	.35020
3.496	9.781	-.00860	.40310	.36190
3.496	11.835	-.00240	.40970	.37130
3.496	13.837	.00430	.41420	.37890
3.496	14.874	.00850	.41660	.38370
3.496	15.854	.01210	.41800	.38590
3.496	17.882	.02070	.41710	.39320
3.496	19.921	.03050	.41640	.39840
3.496	22.411	.04220	.41570	.40510
	GRADIENT	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (E2H048) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 49/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	-9.476	-.10020	-.10250	-.10250	-.10220	-.04210	-.04060	-.06820	-.07050	.41580	.38380
3.001	-4.926	-.10020	-.10290	-.10260	-.10220	-.04210	-.04060	-.06850	-.07050	.41510	.38380
3.001	-2.417	-.10020	-.10290	-.10290	-.10260	-.04250	-.04100	-.06850	-.07050	.41490	.38360
3.001	.036	-.10050	-.10290	-.10290	-.10260	-.04250	-.04100	-.06850	-.07090	.41490	.38360
3.001	2.504	-.10020	-.10290	-.10260	-.10260	-.04250	-.04100	-.06850	-.07060	.41480	.38320
3.001	4.998	-.10020	-.10290	-.10290	-.10250	-.04210	-.04060	-.06850	-.07050	.41480	.38380
3.001	10.010	-.10050	-.10290	-.10290	-.10260	-.04280	-.04130	-.06880	-.07090	.41490	.38400
	GRADIENT	.00000	.00000	-.00001	-.00002	-.00000	-.00000	-.00000	-.00000	-.00003	-.00002

AMES 118-1-87 OA145C 01 (E2H049) (25 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 36/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
3.000	-22.746	-.02250	.43460	.40240
3.000	-17.917	-.02280	.43410	.40230
3.000	-14.947	-.02320	.43370	.40220
3.000	-9.485	-.02320	.43400	.40220
3.000	-4.946	-.02280	.43370	.40220
3.000	-2.447	-.02320	.43360	.40210
3.000	.036	-.02350	.43310	.40190
3.000	2.504	-.02320	.43330	.40250
3.000	4.978	-.02350	.43290	.40280
3.000	10.031	-.02280	.43300	.40290
3.000	15.017	-.02250	.43330	.40280
3.000	22.811	-.02280	.43250	.40300
	GRADIENT	-.00006	-.00008	.00006

AMES 118-1-87 OA145C 01 (E2H049) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 178/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
3.496	-22.746	.01710	.41670	.38380
3.496	-17.927	.01720	.41650	.38330
3.496	-14.968	.01680	.41600	.38240
3.496	-9.494	.01710	.41640	.38350
3.496	-4.916	.01680	.41590	.38300
3.496	-2.537	.01670	.41600	.38350
3.496	.053	.01720	.41610	.38350
3.496	2.534	.01670	.41530	.38360
3.496	5.038	.01640	.41520	.38310
3.496	9.999	.01670	.41570	.38360
3.496	15.038	.01720	.41560	.38390
	GRADIENT	.00001	-.00007	.00007

AMES 118-1-87 OA145C 01 (E2HY49) (14 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 0/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-22.746	-.10240	-.10380	-.10340	-.10310	-.02760	-.02250	-.04780	-.05060	.43460	.40240
3.000	-17.917	-.10310	-.10410	-.10380	-.10340	-.02790	-.02280	-.04820	-.05120	.43410	.40230
3.000	-14.947	-.10310	-.10410	-.10410	-.10350	-.02830	-.02320	-.04860	-.05130	.43370	.40220
3.000	-9.485	-.10280	-.10410	-.10380	-.10350	-.02830	-.02320	-.04820	-.05090	.43400	.40220
3.000	-4.946	-.10310	-.10410	-.10410	-.10350	-.02790	-.02280	-.04820	-.05090	.43370	.40220
3.000	-2.447	-.10310	-.10410	-.10410	-.10380	-.02830	-.02320	-.04860	-.05090	.43360	.40210
3.000	.036	-.10350	-.10480	-.10450	-.10410	-.02860	-.02350	-.04890	-.05160	.43310	.40190
3.000	2.504	-.10380	-.10480	-.10480	-.10410	-.02860	-.02320	-.04860	-.05130	.43330	.40250
3.000	4.978	-.10350	-.10480	-.10480	-.10410	-.02860	-.02350	-.04890	-.05160	.43290	.40280
3.000	10.031	-.10310	-.10450	-.10410	-.10380	-.02830	-.02280	-.04790	-.05090	.43300	.40290
3.000	15.017	-.10310	-.10440	-.10410	-.10380	-.02790	-.02250	-.04780	-.05060	.43330	.40280
3.000	22.811	-.10310	-.10410	-.10410	-.10340	-.02790	-.02280	-.04820	-.05090	.43250	.40300
	GRADIENT	-.00006	-.00008	-.00008	-.00006	-.00007	-.00006	-.00006	-.00007	-.00008	.00006

AMES 118-1-87 OA145C 01 (E2H050) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 50/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	-9.485	-.10150	-.10220	-.10180	-.10110	.00370	.00540	-.01710	-.02080	.44050	.41430
3.001	-4.936	-.10180	-.10250	-.10220	-.10150	.00330	.00500	-.01750	-.02120	.43970	.41420
3.001	-2.427	-.10190	-.10260	-.10220	-.10160	.00330	.00500	-.01780	-.02120	.44030	.41480
3.001	-.021	-.10190	-.10220	-.10190	-.10120	.00330	.00470	-.01780	-.02120	.44030	.41480
3.001	2.504	-.10190	-.10220	-.10220	-.10150	.00330	.00500	-.01750	-.02120	.44010	.41530
3.001	4.998	-.10190	-.10220	-.10220	-.10160	.00290	.00460	-.01780	-.02120	.43960	.41510
3.001	10.031	-.10150	-.10220	-.10190	-.10120	.00330	.00500	-.01750	-.02090	.43980	.41530
	GRADIENT	-.00001	.00004	-.00000	-.00000	-.00003	-.00003	-.00001	.00000	-.00002	.00009

AMES 118-1-87 OA145C 01 (E2HY51) (14 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 0/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	.190	-.08680	-.09290	-.09290	-.09290	-.05430	-.05210	-.07970	-.08000	.35550	.32520
3.001	2.562	-.08990	-.09500	-.09500	-.09500	-.05300	-.05110	-.07900	-.08000	.37210	.33770
3.001	5.039	-.09360	-.09840	-.09840	-.09840	-.05200	-.05010	-.07840	-.07970	.38660	.35420
3.001	7.621	-.09980	-.10320	-.10320	-.10320	-.05030	-.04870	-.07730	-.07900	.40170	.37000
3.001	10.113	-.10080	-.10320	-.10320	-.10290	-.04310	-.04130	-.06910	-.07120	.41430	.38260
3.001	12.167	-.10220	-.10420	-.10390	-.10350	-.03590	-.03410	-.06100	-.06330	.42390	.39220
3.001	14.166	-.10490	-.10660	-.10630	-.10590	-.02800	-.02630	-.05280	-.05520	.42980	.39840
3.001	15.203	-.10420	-.10560	-.10560	-.10490	-.02290	-.02120	-.04700	-.04970	.43240	.40070
3.001	16.187	-.10490	-.10590	-.10590	-.10520	-.01780	-.01570	-.04120	-.04430	.43540	.40350
3.001	18.204	-.10460	-.10570	-.10530	-.10460	-.00860	-.00690	-.03000	-.03340	.43850	.40920
3.001	20.302	-.10220	-.10290	-.10260	-.10190	.00300	.00470	-.01810	-.02150	.44020	.41430
3.001	22.769	-.09740	-.09810	-.09780	-.09710	.01800	.01980	-.00340	-.00690	.44050	.41800
3.001	25.492	-.09400	-.09230	-.09200	-.09130	.03670	.03850	.01700	.01360	.44000	.41750
	GRADIENT	-.00131	-.00089	-.00089	-.00089	.00055	.00042	.00030	.00000	.00700	.00527

AMES 118-1-87 OA145C 01 (E2H052) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 53/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	-6.256	-.09020	-.09640	-.09640	-.09610	-.03250	-.03030	-.05690	-.05930	.57930	.24300
3.001	-4.163	-.09400	-.09880	-.09880	-.09840	-.03630	-.03450	-.06170	-.06370	.52450	.28530
3.001	-2.051	-.09710	-.10080	-.10080	-.10050	-.03970	-.03790	-.06510	-.06680	.46940	.33160
3.001	-.992	-.09810	-.10120	-.10120	-.10080	-.04110	-.03930	-.06680	-.06820	.44460	.35720
3.001	.077	-.09980	-.10220	-.10220	-.10180	-.04210	-.04020	-.06810	-.06980	.41550	.38430
3.001	1.118	-.10050	-.10250	-.10250	-.10220	-.04280	-.04090	-.06880	-.07080	.39000	.41180
3.001	2.167	-.10050	-.10250	-.10250	-.10220	-.04380	-.04190	-.06980	-.07220	.36600	.43770
3.001	3.202	-.10080	-.10220	-.10220	-.10220	-.04480	-.04300	-.07120	-.07360	.34130	.46430
3.001	4.240	-.10120	-.10220	-.10220	-.10180	-.04550	-.04370	-.07260	-.07460	.31850	.49220
3.001	6.381	-.10050	-.10110	-.10110	-.10080	-.04690	-.04500	-.07390	-.07590	.27830	.55090
	GRADIENT	-.00083	-.00039	-.00039	-.00041	-.00105	-.00105	-.00123	-.00130	-.02457	.02481

AMES 118-1-87 OA145C 01 (E2H053) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 54/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	-6.346	-.08960	-.09430	-.09430	-.09400	-.01370	-.01170	-.03620	-.03890	.61210	.25480
3.001	-4.237	-.09600	-.09910	-.09910	-.09880	-.01750	-.01540	-.04060	-.04360	.54940	.29760
3.001	-2.127	-.10050	-.10320	-.10290	-.10250	-.01930	-.01750	-.04340	-.04640	.49040	.34700
3.001	-1.061	-.10290	-.10460	-.10460	-.10390	-.02130	-.01920	-.04500	-.04780	.46210	.37400
3.001	-.005	-.10390	-.10520	-.10520	-.10450	-.02290	-.02120	-.04700	-.04980	.43350	.40120
3.001	1.056	-.10630	-.10730	-.10700	-.10660	-.02530	-.02320	-.04940	-.05210	.40400	.43090
3.001	2.123	-.10660	-.10760	-.10730	-.10690	-.02640	-.02460	-.05110	-.05380	.37810	.46040
3.001	3.196	-.10520	-.10520	-.10520	-.10450	-.02700	-.02490	-.05140	-.05450	.35150	.49050
3.001	4.277	-.10450	-.10420	-.10420	-.10350	-.02810	-.02630	-.05280	-.05550	.32770	.52080
3.001	6.377	-.10420	-.10350	-.10320	-.10280	-.03080	-.02870	-.05550	-.05820	.28450	.58470
	GRADIENT	-.00104	-.00064	-.00064	-.00060	-.00134	-.00135	-.00151	-.00149	-.02617	.02643

AMES 118-1-87 OA145C 01 (E2H054) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 55/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	-6.378	-.09090	-.08990	-.08990	-.08920	.01450	.01660	-.00630	-.00900	.62960	.26440
3.001	-4.295	-.09600	-.09670	-.09670	-.09260	.00880	.01090	-.01130	-.01430	.56340	.30890
3.001	-2.201	-.09910	-.10040	-.10010	-.09940	.00570	.00780	-.01440	-.01780	.49820	.36110
3.001	-1.132	-.10110	-.10220	-.10180	-.10110	.00500	.00700	-.01580	-.01920	.46840	.38850
3.001	-.068	-.10150	-.10180	-.10150	-.10080	.00370	.00570	-.01710	-.02080	.43890	.41610
3.001	1.016	-.10080	-.10080	-.10080	-.10010	.00230	.00440	-.01840	-.02150	.40950	.44560
3.001	2.076	-.10040	-.10010	-.09970	-.09900	.00090	.00300	-.01950	-.02250	.38210	.47280
3.001	3.145	-.10180	-.10080	-.10040	-.09970	-.00150	.00060	-.02190	-.02490	.35420	.50280
3.001	4.205	-.10420	-.10290	-.10290	-.10220	-.00510	-.00310	-.02560	-.02860	.32810	.53510
3.001	6.304	-.10560	-.10350	-.10350	-.10280	-.00890	-.00680	-.03000	-.03340	.28680	.60060
	GRADIENT	-.00073	-.00043	-.00043	-.00071	-.00150	-.00151	-.00154	-.00151	-.02750	.02650

AMES 118-1-87 OA145C 01 (E2H055) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 2.500

RUN NO. 51/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	-22.746	-.10560	-.10620	-.10590	-.10560	-.02470	-.02290	-.04940	-.05250	.37900	.46300
3.001	-17.927	-.10590	-.10630	-.10630	-.10560	-.02500	-.02280	-.04900	-.05210	.37860	.46260
3.001	-14.936	-.10590	-.10630	-.10630	-.10590	-.02500	-.02320	-.04940	-.05250	.37840	.46270
3.001	-9.494	-.10590	-.10660	-.10660	-.10590	-.02540	-.02360	-.04980	-.05280	.37860	.46290
3.001	-4.946	-.10630	-.10660	-.10660	-.10630	-.02530	-.02360	-.04980	-.05280	.37810	.46240
3.001	-2.437	-.10630	-.10700	-.10700	-.10630	-.02530	-.02360	-.05010	-.05280	.37810	.46270
3.001	.044	-.10630	-.10700	-.10700	-.10660	-.02570	-.02360	-.05010	-.05280	.37770	.46270
3.001	2.534	-.10660	-.10730	-.10700	-.10660	-.02530	-.02320	-.04970	-.05250	.37770	.46270
3.001	5.008	-.10660	-.10730	-.10690	-.10660	-.02530	-.02360	-.05010	-.05280	.37810	.46340
3.001	10.010	-.10660	-.10690	-.10690	-.10660	-.02530	-.02320	-.04970	-.05280	.37750	.46420
3.001	14.996	-.10620	-.10660	-.10660	-.10590	-.02530	-.02360	-.04970	-.05280	.37760	.46300
3.001	22.834	-.10560	-.10630	-.10630	-.10560	-.02540	-.02360	-.04980	-.05250	.37770	.46370
	GRADIENT	-.00004	-.00008	-.00005	-.00005	-.00002	.00005	.00001	.00004	-.00006	.00004

AMES 118-1-87 OA145C 01 (E2H056) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 60/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.001	.271	-.05160	.35580	.32640
3.001	2.455	-.05060	.37120	.33810
3.001	4.995	-.04950	.38730	.35510
3.001	7.531	-.04780	.40130	.37050
3.001	10.064	-.04030	.41330	.38380
3.001	12.144	-.03300	.42190	.39350
3.001	14.166	-.02520	.42830	.39980
3.001	15.148	-.02110	.43040	.40330
3.001	16.212	-.01600	.43300	.40660
3.001	18.194	-.00720	.43570	.41200
3.001	20.268	.00440	.43770	.41670
3.001	22.758	.01960	.43790	.41860
3.001	25.441	.03830	.43940	.41770
	GRADIENT	.00044	.00666	.00609

RUN NO. 187/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.498	4.805	-.01660	.38250	.33560
3.498	7.293	-.01300	.39330	.34940
3.498	9.776	-.00610	.40070	.36000
3.498	11.808	.00110	.40710	.36980
3.498	13.853	.00960	.41260	.37850
3.498	14.884	.01400	.41470	.38260
3.498	15.871	.01870	.41640	.38550
3.498	17.877	.02650	.41550	.39160
3.498	19.917	.03640	.41490	.39760
3.498	22.448	.05120	.41340	.40320
	GRADIENT	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (E2HY56) (14 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 0/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	.271	-.08680	-.09250	-.09250	-.09250	-.05480	-.05160	-.07900	-.07970	.35580	.32640
3.001	2.455	-.08950	-.09420	-.09460	-.09460	-.05310	-.05060	-.07870	-.07970	.37120	.33810
3.001	4.995	-.09320	-.09760	-.09760	-.09760	-.05240	-.04950	-.07800	-.07900	.38730	.35510
3.001	7.531	-.09790	-.10130	-.10130	-.10100	-.05030	-.04780	-.07630	-.07800	.40130	.37050
3.001	10.064	-.09860	-.10100	-.10100	-.10060	-.04320	-.04030	-.06810	-.06980	.41330	.38380
3.001	12.144	-.10040	-.10140	-.10140	-.10100	-.03580	-.03300	-.05970	-.06180	.42190	.39350
3.001	14.166	-.10270	-.10410	-.10410	-.10340	-.02790	-.02520	-.05120	-.05400	.42830	.39980
3.001	15.148	-.10300	-.10410	-.10370	-.10340	-.02350	-.02110	-.04680	-.04950	.43040	.40330
3.001	16.212	-.10340	-.10400	-.10370	-.10340	-.01840	-.01600	-.04140	-.04410	.43300	.40660
3.001	18.194	-.10380	-.10440	-.10410	-.10340	-.00990	-.00720	-.03060	-.03400	.43570	.41200
3.001	20.268	-.10170	-.10200	-.10170	-.10100	.00170	.00440	-.01870	-.02170	.43770	.41670
3.001	22.758	-.09690	-.09720	-.09690	-.09620	.01690	.01960	-.00380	-.00680	.43790	.41860
3.001	25.441	-.09350	-.09180	-.09180	-.09080	.03550	.03830	.01690	.01280	.43940	.41770
	GRADIENT	-.00136	-.00109	-.00108	-.00108	.00050	.00044	.00021	.00015	.00666	.00609

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 59/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.001	.282	-.05260	.35520	.32570
3.001	2.472	-.05130	.37090	.33770
3.001	4.987	-.05060	.38640	.35390
3.001	7.528	-.04960	.40060	.36980
3.001	10.053	-.04280	.41260	.38380
3.001	12.120	-.03500	.42130	.39290
3.001	14.144	-.02690	.42760	.39910
3.001	15.174	-.02280	.42960	.40280
3.001	16.155	-.01770	.43170	.40590
3.001	18.176	-.00790	.43510	.41140
3.001	20.223	.00330	.43640	.41540
3.001	22.751	.01900	.43750	.41860
3.001	25.430	.03770	.43850	.41740
	GRADIENT	.00042	.00662	.00600

RUN NO. 188/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.498	4.810	-.01700	.38260	.33480
3.498	7.316	-.01310	.39360	.34850
3.498	9.772	-.00710	.40010	.36050
3.498	11.796	.00070	.40690	.36930
3.498	13.800	.00850	.41230	.37820
3.498	14.862	.01280	.41410	.38190
3.498	15.865	.01720	.41600	.38460
3.498	17.864	.02530	.41430	.39080
3.498	19.904	.03640	.41370	.39650
3.498	22.442	.04960	.41110	.40130
	GRADIENT	.00000	.00000	.00000

AMES 118-1-87 OA145C 01 (E2HY57) (14 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 0/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	.282	-.08780	-.09390	-.09390	-.09420	-.05550	-.05260	-.08040	-.08070	.35520	.32570
3.001	2.472	-.09050	-.09560	-.09560	-.09560	-.05450	-.05130	-.07940	-.08010	.37090	.33770
3.001	4.987	-.09390	-.09840	-.09840	-.09840	-.05310	-.05060	-.07870	-.08010	.38640	.35390
3.001	7.528	-.10040	-.10410	-.10410	-.10410	-.05210	-.04960	-.07840	-.07980	.40060	.36980
3.001	10.053	-.10210	-.10480	-.10480	-.10450	-.04530	-.04280	-.07060	-.07230	.41260	.38380
3.001	12.120	-.10310	-.10520	-.10480	-.10450	-.03740	-.03500	-.06210	-.06410	.42130	.39290
3.001	14.144	-.10480	-.10650	-.10620	-.10590	-.02930	-.02690	-.05330	-.05600	.42760	.39910
3.001	15.174	-.10550	-.10720	-.10690	-.10620	-.02520	-.02280	-.04850	-.05130	.42960	.40280
3.001	16.155	-.10550	-.10650	-.10620	-.10550	-.02050	-.01770	-.04310	-.04590	.43170	.40590
3.001	18.176	-.10480	-.10550	-.10520	-.10450	-.01060	-.00790	-.03160	-.03470	.43510	.41140
3.001	20.223	-.10240	-.10280	-.10240	-.10180	.00060	.00330	-.01910	-.02280	.43640	.41540
3.001	22.751	-.09770	-.09800	-.09770	-.09700	.01630	.01900	-.00410	-.00750	.43750	.41860
3.001	25.430	-.09390	-.09220	-.09190	-.09120	.03490	.03770	.01630	.01220	.43850	.41740
	GRADIENT	-.00130	-.00096	-.00096	-.00090	.00051	.00042	.00036	.00012	.00662	.00600

AMES 118-1-87 OA145C 01 (E2H058) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	22.500
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 58/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	.273	-.08780	-.09390	-.09390	-.09390	-.05430	-.05210	-.08030	-.08070	.35650	.32690
3.001	2.003	-.08950	-.09500	-.09500	-.09500	-.05370	-.05110	-.07930	-.08000	.36820	.33490
3.001	4.974	-.09290	-.09770	-.09770	-.09770	-.05200	-.04940	-.07760	-.07900	.38750	.35460
3.001	7.558	-.09940	-.10280	-.10280	-.10280	-.05060	-.04810	-.07700	-.07870	.40190	.37100
3.001	10.110	-.10080	-.10350	-.10350	-.10320	-.04350	-.04100	-.06880	-.07090	.41420	.38530
3.001	12.166	-.10150	-.10320	-.10320	-.10280	-.03560	-.03310	-.06030	-.06270	.42290	.39400
3.001	14.180	-.10320	-.10450	-.10420	-.10390	-.02740	-.02500	-.05110	-.05420	.42860	.40000
3.001	15.157	-.10360	-.10460	-.10460	-.10430	-.02370	-.02130	-.04680	-.04950	.43080	.40320
3.001	16.165	-.10320	-.10390	-.10390	-.10320	-.01870	-.01630	-.04140	-.04410	.43330	.40750
3.001	18.220	-.10340	-.10400	-.10370	-.10300	-.00980	-.00700	-.03010	-.03320	.43680	.41270
3.001	20.274	-.10110	-.10110	-.10110	-.10040	.00210	.00490	-.01750	-.02090	.43780	.41620
3.001	22.750	-.09590	-.09630	-.09590	-.09530	.01720	.01990	-.00280	-.00620	.43850	.41960
3.001	25.435	-.09250	-.09050	-.09050	-.08940	.03590	.03830	.01730	.01390	.43920	.41860
	GRADIENT	-.00109	-.00082	-.00082	-.00082	.00050	.00057	.00057	.00036	.00658	.00597

AMES 11ft-1-87 OA145C 01 (E2H059) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 56/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	-11.761	-.09980	-.10220	-.10220	-.10190	-.04340	-.04120	-.06880	-.07050	.41340	.38450
3.001	-8.000	-.10020	-.10260	-.10260	-.10220	-.04350	-.04090	-.06880	-.07050	.41350	.38460
3.001	-5.979	-.10020	-.10260	-.10260	-.10220	-.04350	-.04130	-.06920	-.07050	.41250	.38460
3.001	-3.921	-.10010	-.10250	-.10220	-.10220	-.04310	-.04090	-.06880	-.07050	.41290	.38500
3.001	-2.011	-.10050	-.10290	-.10290	-.10250	-.04340	-.04130	-.06920	-.07050	.41310	.38480
3.001	.029	-.10080	-.10320	-.10320	-.10290	-.04370	-.04160	-.06910	-.07080	.41280	.38490
3.001	1.940	-.10080	-.10360	-.10320	-.10320	-.04380	-.04160	-.06950	-.07120	.41310	.38450
3.001	4.007	-.10120	-.10390	-.10390	-.10360	-.04370	-.04160	-.06950	-.07120	.41320	.38460
3.001	6.010	-.10110	-.10390	-.10390	-.10390	-.04340	-.04120	-.06950	-.07120	.41380	.38520
3.001	8.010	-.10150	-.10460	-.10430	-.10430	-.04410	-.04190	-.06980	-.07150	.41300	.38470
3.001	12.070	-.10150	-.10460	-.10420	-.10420	-.04370	-.04160	-.06950	-.07120	.41340	.38520
3.001	16.339	-.10180	-.10460	-.10460	-.10420	-.04410	-.04190	-.06980	-.07150	.41310	.38480
3.001	22.594	-.10150	-.10420	-.10420	-.10390	-.04370	-.04160	-.06950	-.07150	.41370	.38510
	GRADIENT	-.00013	-.00018	-.00019	-.00018	-.00008	-.00009	-.00009	-.00011	.00003	-.00006

AMES 118-1-87 OA145C 01 (E2H060) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 35/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP240	CP12	CP13
3.000	-11.761	-.02200	.43450	.40300
3.000	-8.000	-.02260	.43420	.40270
3.000	-5.938	-.02230	.43440	.40220
3.000	-3.903	-.02310	.43390	.40240
3.000	-2.022	-.02300	.43410	.40230
3.000	.019	-.02340	.43370	.40190
3.000	1.969	-.02200	.43520	.40370
3.000	3.986	-.02360	.43410	.40220
3.000	6.020	-.02370	.43340	.40230
3.000	7.990	-.02340	.43400	.40220
3.000	12.100	-.02370	.43340	.40220
3.000	16.339	-.02370	.43390	.40170
3.000	22.604	-.02400	.43320	.40170
	GRADIENT	-.00000	.00008	.00005

RUN NO. 177/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP240	CP12	CP13
3.496	-11.772	.01750	.41670	.38380
3.496	-8.041	.01680	.41610	.38400
3.496	-6.040	.01670	.41590	.38340
3.496	-3.912	.01680	.41570	.38360
3.496	-1.990	.01710	.41630	.38380
3.496	.019	.01680	.41570	.38320
3.496	1.969	.01640	.41580	.38330
3.496	4.040	.01590	.41530	.38310
3.496	6.010	.01640	.41550	.38330
3.496	8.020	.01670	.41590	.38380
3.496	12.100	.01680	.41640	.38350
3.496	16.339	.01440	.41430	.38140
3.496	22.594	.01600	.41550	.38300
	GRADIENT	-.00813	-.00007	-.00008

AMES 11B-1-87 OA145C 01 (E2HY60) (14 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 0/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-11.761	-.10220	-.10320	-.10290	-.10250	-.02710	-.02200	-.04770	-.05040	.43450	.40300
3.000	-8.000	-.10290	-.10390	-.10350	-.10320	-.02780	-.02260	-.04830	-.05070	.43420	.40270
3.000	-5.938	-.10280	-.10390	-.10350	-.10320	-.02740	-.02230	-.04800	-.05040	.43440	.40220
3.000	-3.903	-.10320	-.10430	-.10430	-.10360	-.02790	-.02310	-.04870	-.05110	.43390	.40240
3.000	-2.022	-.10360	-.10460	-.10460	-.10390	-.02820	-.02300	-.04870	-.05110	.43410	.40230
3.000	.019	-.10390	-.10530	-.10490	-.10460	-.02880	-.02340	-.04900	-.05140	.43370	.40190
3.000	1.969	-.10360	-.10490	-.10460	-.10420	-.02750	-.02200	-.04870	-.05110	.43520	.40370
3.000	3.986	-.10390	-.10530	-.10530	-.10460	-.02880	-.02360	-.04970	-.05210	.43410	.40220
3.000	6.020	-.10420	-.10530	-.10530	-.10460	-.02880	-.02370	-.04940	-.05180	.43340	.40230
3.000	7.990	-.10390	-.10530	-.10530	-.10460	-.02850	-.02340	-.04940	-.05140	.43400	.40220
3.000	12.100	-.10420	-.10560	-.10560	-.10490	-.02890	-.02370	-.04940	-.05180	.43340	.40220
3.000	16.339	-.10420	-.10560	-.10530	-.10490	-.02880	-.02370	-.04930	-.05170	.43390	.40170
3.000	22.604	-.10430	-.10530	-.10490	-.10430	-.02920	-.02400	-.04940	-.05180	.43320	.40170
	GRADIENT	-.00007	-.00012	-.00010	-.00012	-.00006	-.00000	-.00010	-.00010	.00008	.00005

AMES 118-1-87 OA145C 01 (E2H061) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 57/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.001	-11.761	-.10140	-.10210	-.10180	-.10110	.00300	.00510	-.01770	-.02150	.43840	.41630
3.001	-8.020	-.10110	-.10180	-.10140	-.10080	.00340	.00540	-.01740	-.02120	.43820	.41610
3.001	-5.969	-.10140	-.10180	-.10140	-.10070	.00310	.00510	-.01740	-.02080	.43790	.41650
3.001	-3.921	-.10150	-.10210	-.10180	-.10110	.00330	.00570	-.01740	-.02050	.43790	.41550
3.001	-2.011	-.10140	-.10210	-.10180	-.10110	.00300	.00510	-.01770	-.02120	.43780	.41640
3.001	.019	-.10140	-.10210	-.10180	-.10110	.00310	.00550	-.01740	-.02080	.43770	.41620
3.001	1.960	-.10150	-.10210	-.10180	-.10110	.00300	.00540	-.01740	-.02080	.43790	.41580
3.001	4.029	-.10140	-.10180	-.10180	-.10110	.00300	.00540	-.01740	-.02080	.43740	.41600
3.001	6.000	-.10070	-.10140	-.10110	-.10040	.00400	.00610	-.01670	-.02050	.43880	.41670
3.001	8.020	-.10110	-.10140	-.10140	-.10070	.00370	.00610	-.01670	-.02010	.43790	.41650
3.001	12.100	-.10110	-.10140	-.10140	-.10070	.00370	.00610	-.01670	-.02050	.43820	.41680
3.001	16.328	-.10250	-.10280	-.10280	-.10220	.00170	.00410	-.01880	-.02220	.43700	.41520
3.001	22.585	-.10210	-.10230	-.10210	-.10150	.00170	.00410	-.01840	-.02180	.43740	.41530
	GRADIENT	.00001	.00003	-.00000	-.00000	-.00003	-.00001	.00002	-.00001	-.00005	.00002

AMES 118-1-87 OA145C 01 (E2H062) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-35.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 73/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.001	.267	-.01010	.35540	.32600
3.001	1.942	-.02160	.36760	.33320
3.001	3.971	-.03210	.37990	.34780
3.001	5.963	-.04220	.39220	.36000
3.001	7.982	-.04620	.40150	.37170
3.001	10.031	-.04930	.41220	.38380
3.001	12.108	-.05130	.42120	.39280
3.001	14.127	-.05300	.42730	.39920
3.001	15.164	-.05340	.42890	.40280
3.001	16.145	-.05370	.43090	.40550
3.001	18.182	-.05370	.43470	.41100
3.001	20.216	-.05400	.43640	.41510
3.001	22.216	-.05300	.43700	.41840
3.001	26.366	-.04390	.43840	.41610
3.001	29.826	-.03270	.44260	.41120
	GRADIENT	-.00591	.00660	.00593

AMES 118-1-87 OA145C 01 (E2H063) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	20.000
AILRON =	.000	BDFLAP =	22.500
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 747 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.001	.272	-.04080	.35610	.32570
3.001	1.915	-.03410	.36780	.33340
3.001	3.968	-.02320	.37970	.34830
3.001	5.987	-.01110	.39200	.35990
3.001	8.013	.00450	.40170	.37220
3.001	10.052	.02220	.41220	.38350
3.001	12.147	.04190	.42120	.39340
3.001	14.152	.06120	.42730	.39920
3.001	15.174	.07150	.42910	.40300
3.001	16.158	.08160	.43130	.40620
3.001	18.186	.10660	.43450	.41080
3.001	20.234	.13270	.43610	.41540
3.001	22.222	.15950	.43660	.41830
3.001	26.308	.22480	.43820	.41690
3.001	29.813	.27790	.44170	.41090
	GRADIENT	.00478	.00636	.00616

AMES 118-1-87 OA145C 01 (E2H064) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 100/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	.186	-.08690	-.09280	-.09280	-.09250	-.05110	-.05060	-.07960	-.08030	.35670	.32420
3.000	2.533	-.08930	-.09490	-.09490	-.09450	-.04930	-.04880	-.07850	-.07950	.37490	.33790
3.000	4.984	-.09350	-.09810	-.09810	-.09810	-.04830	-.04780	-.07820	-.07920	.38960	.35500
3.000	7.567	-.09910	-.10290	-.10290	-.10290	-.04690	-.04640	-.07710	-.07880	.40420	.37040
3.000	10.029	-.10050	-.10290	-.10290	-.10260	-.04050	-.04000	-.06970	-.07150	.41600	.38280
3.000	12.118	-.10270	-.10480	-.10440	-.10410	-.03360	-.03310	-.06250	-.06490	.42560	.39280
3.000	14.172	-.10440	-.10580	-.10580	-.10540	-.02580	-.02540	-.05370	-.05610	.43190	.39950
3.000	15.190	-.10400	-.10500	-.10500	-.10430	-.02060	-.02020	-.04760	-.05040	.43430	.40190
3.000	16.163	-.10430	-.10540	-.10500	-.10470	-.01640	-.01610	-.04320	-.04590	.43660	.40390
3.000	18.186	-.10400	-.10430	-.10400	-.10360	-.00740	-.00700	-.03170	-.03520	.43970	.40950
3.000	20.237	-.10190	-.10190	-.10150	-.10120	.00450	.00490	-.01910	-.02300	.44060	.41590
3.000	22.737	-.09770	-.09730	-.09730	-.09660	.01880	.01920	-.00450	-.00770	.44090	.41870
3.000	25.427	-.09420	-.09210	-.09210	-.09110	.03720	.03790	.01530	.01140	.44040	.41820
	GRADIENT	-.00138	-.00111	-.00111	-.00117	.00058	.00058	.00029	.00023	.00685	.00642

AMES 118-1-87 OA145C 01 (E2H065) (25 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 106/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.291	-.02770	.58110	.24470
3.000	-4.198	-.03240	.52690	.28670
3.000	-2.072	-.03580	.47090	.33350
3.000	-1.003	-.03680	.44550	.35830
3.000	.071	-.03850	.41660	.38520
3.000	1.157	-.03880	.38940	.41440
3.000	2.179	-.03990	.36650	.43870
3.000	3.217	-.04260	.34040	.46440
3.000	4.254	-.04360	.31880	.49270
3.000	6.392	-.04520	.27670	.55090
	GRADIENT	-.00127	-.02472	.02451

AMES 118-1-87 OA145C 01 (E2H068) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 104/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-6.323	-.08840	-.09280	-.09280	-.09250	-.00990	-.00920	-.03340	-.03620	.61410	.25730
3.000	-4.243	-.09490	-.09830	-.09790	-.09760	-.01290	-.01220	-.03850	-.04130	.55160	.30070
3.000	-2.123	-.10000	-.10240	-.10240	-.10170	-.01540	-.01470	-.04130	-.04440	.49200	.34970
3.000	-1.065	-.10210	-.10340	-.10340	-.10270	-.01670	-.01600	-.04270	-.04540	.46390	.37490
3.000	-.009	-.10270	-.10370	-.10340	-.10300	-.01840	-.01770	-.04470	-.04740	.43580	.40270
3.000	1.099	-.10480	-.10580	-.10550	-.10510	-.02120	-.02050	-.04740	-.05020	.40590	.43350
3.000	2.144	-.10580	-.10650	-.10610	-.10580	-.02260	-.02180	-.04950	-.05220	.38050	.46170
3.000	3.199	-.10370	-.10410	-.10410	-.10340	-.02290	-.02220	-.04950	-.05260	.35390	.49240
3.000	4.252	-.10370	-.10370	-.10340	-.10300	-.02460	-.02390	-.05150	-.05390	.33010	.52340
3.000	6.371	-.10520	-.10380	-.10380	-.10340	-.02870	-.02800	-.05530	-.05800	.28470	.58500
	GRADIENT	-.00102	-.00064	-.00064	-.00064	-.00144	-.00144	-.00160	-.00157	-.02612	.02636

AMES 118-1-87 OA145C 01 (E2H067) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 103/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.257	.01680	.63170	.26500
3.000	-4.173	.01100	.56520	.31110
3.000	-2.060	.00790	.50030	.36190
3.000	-.995	.00690	.47110	.38980
3.000	.064	.00590	.44090	.41600
3.000	1.161	.00480	.41150	.44540
3.000	2.171	.00350	.38590	.47300
3.000	3.217	.00140	.35780	.50220
3.000	4.256	-.00100	.33200	.53410
3.000	6.339	-.00470	.28880	.60070
	GRADIENT	-.00133	-.02750	.02639

AMES 118-1-87 OA145C 01 (E2H068) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 2.500

RUN NO. 101/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	.309	-.08900	-.09420	-.09420	-.09420	-.05270	-.05220	-.08200	-.08270	.31750	.37480
3.000	2.557	-.09030	-.09490	-.09490	-.09490	-.05090	-.05080	-.08100	-.08200	.33240	.38520
3.000	5.014	-.09420	-.09770	-.09800	-.09770	-.05020	-.04970	-.08030	-.08170	.34490	.40460
3.000	7.878	-.09800	-.10080	-.10040	-.10040	-.04640	-.04590	-.07610	-.07820	.35820	.42350
3.000	10.118	-.10040	-.10220	-.10220	-.10220	-.04080	-.04070	-.07060	-.07270	.36770	.43820
3.000	12.208	-.10390	-.10500	-.10500	-.10460	-.03490	-.03480	-.06400	-.06600	.37570	.44890
3.000	14.202	-.10600	-.10670	-.10670	-.10630	-.02750	-.02750	-.05600	-.05840	.37950	.45620
3.000	15.251	-.10600	-.10670	-.10670	-.10600	-.02270	-.02260	-.05080	-.05320	.37980	.46340
3.000	16.229	-.10560	-.10600	-.10560	-.10530	-.01780	-.01770	-.04520	-.04800	.38230	.46520
3.000	18.206	-.10430	-.10390	-.10390	-.10320	-.00840	-.00840	-.03410	-.03720	.38400	.47150
3.000	20.342	-.10150	-.10080	-.10040	-.09970	.00310	.00350	-.02020	-.02330	.38430	.47520
3.000	22.857	-.09870	-.09730	-.09690	-.09620	.01840	.01840	-.00560	-.00910	.38560	.47760
3.000	25.470	-.09520	-.09310	-.09270	-.09200	.03440	.03480	.01180	.00770	.38740	.47830
	GRADIENT	-.00058	-.00031	-.00031	-.00031	.00080	.00062	.00044	.00031	.00063	.00463

AMES 118-1-87 OA145C 01 (E2H069) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 107/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-9.494	-.09990	-.10230	-.10230	-.10230	-.03990	-.03880	-.06760	-.06960	.41580	.38440
3.000	-4.926	-.09990	-.10230	-.10230	-.10200	-.04030	-.03950	-.06820	-.06990	.41540	.38430
3.000	-2.427	-.09990	-.10270	-.10230	-.10200	-.04060	-.03950	-.06790	-.06960	.41540	.38430
3.000	.018	-.10000	-.10270	-.10240	-.10240	-.04030	-.03920	-.06790	-.06990	.41540	.38470
3.000	2.534	-.10000	-.10240	-.10240	-.10210	-.04060	-.03950	-.06790	-.06960	.41520	.38450
3.000	4.998	-.09990	-.10230	-.10230	-.10200	-.04060	-.03950	-.06790	-.06960	.41510	.38400
3.000	10.021	-.10000	-.10240	-.10240	-.10200	-.04060	-.03950	-.06790	-.06960	.41540	.38430
	GRADIENT	-.00000	.00001	-.00000	-.00000	-.00002	-.00000	.00002	.00002	-.00003	-.00002

AMES 118-1-87 OA145C 01 (E2H070) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 108/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-22.735	-.10440	-.10570	-.10540	-.10510	-.02090	-.01990	-.04630	-.04900	.43450	.40140
3.000	-17.947	-.10440	-.10580	-.10580	-.10510	-.02130	-.01990	-.04630	-.04900	.43390	.40150
3.000	-14.936	-.10370	-.10510	-.10470	-.10440	-.02060	-.01990	-.04630	-.04900	.43450	.40170
3.000	-9.494	-.10370	-.10470	-.10470	-.10440	-.02060	-.01960	-.04590	-.04860	.43440	.40230
3.000	-4.936	-.10370	-.10510	-.10470	-.10440	-.02090	-.01960	-.04590	-.04860	.43420	.40170
3.000	.009	-.10330	-.10440	-.10400	-.10370	-.02060	-.01920	-.04560	-.04830	.43390	.40250
3.000	2.504	-.10260	-.10370	-.10370	-.10330	-.01990	-.01890	-.04520	-.04760	.43460	.40280
3.000	5.008	-.10330	-.10430	-.10430	-.10370	-.02060	-.01920	-.04560	-.04790	.43410	.40280
3.000	10.010	-.10330	-.10470	-.10470	-.10400	-.02020	-.01890	-.04560	-.04790	.43450	.40310
3.000	15.017	-.10400	-.10500	-.10500	-.10440	-.02060	-.01920	-.04590	-.04860	.43390	.40320
3.000	22.811	-.10360	-.10500	-.10470	-.10430	-.02020	-.01890	-.04520	-.04830	.43410	.40340
	GRADIENT	.00014	.00018	.00014	.00015	.00012	.00009	.00009	.00012	.00004	.00015

AMES 118-1-87 OA145C 01 (E2H071) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 109/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-9.485	-.10020	-.10020	-.10020	-.09960	.00580	.00720	-.01650	-.01950	.44170	.41640
3.000	-4.926	-.10200	-.10240	-.10200	-.10130	.00380	.00520	-.01850	-.02160	.43990	.41520
3.000	-2.427	-.10030	-.10030	-.10030	-.09960	.00540	.00680	-.01690	-.02030	.44100	.41600
3.000	.027	-.10240	-.10240	-.10200	-.10130	.00350	.00490	-.01850	-.02190	.44000	.41500
3.000	2.504	-.10060	-.10060	-.10020	-.09960	.00520	.00660	-.01680	-.01980	.44130	.41670
3.000	5.018	-.10060	-.10060	-.10020	-.09950	.00520	.00660	-.01680	-.01980	.44100	.41670
3.000	10.021	-.10200	-.10200	-.10200	-.10130	.00380	.00520	-.01850	-.02120	.43990	.41560
	GRADIENT	.00009	.00013	.00015	.00014	.00009	.00009	.00014	.00015	.00013	.00014

AMES 118-1-87 OA145C 01 (E2H072) (25 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = 2.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 2.500

RUN NO. 110/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
3.000	-9.494	-.02260	.37960	.46170
3.000	-4.916	-.02360	.37900	.46110
3.000	-2.437	-.02390	.37810	.46120
3.000	.027	-.02360	.37870	.46110
3.000	2.524	-.02390	.37770	.46110
3.000	5.008	-.02360	.37800	.46140
3.000	10.010	-.02330	.37830	.46210
	GRADIENT	-.00002	-.00013	-.00000

AMES 118-1-87 OA145C 01 (E2H073) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = -5.000
RN/L = 2.500

RUN NO. 105/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-6.314	-.08900	-.09320	-.09350	-.09320	-.01130	-.01020	-.03450	-.03720	.61280	.25690
3.000	-4.208	-.09520	-.09860	-.09860	-.09830	-.01400	-.01300	-.03930	-.04200	.55000	.30110
3.000	-2.092	-.10070	-.10310	-.10270	-.10240	-.01680	-.01570	-.04240	-.04510	.49000	.34980
3.000	-1.054	-.10250	-.10420	-.10420	-.10350	-.01810	-.01710	-.04370	-.04650	.46390	.37550
3.000	.014	-.10330	-.10470	-.10430	-.10400	-.01980	-.01910	-.04550	-.04820	.43420	.40350
3.000	1.095	-.10570	-.10670	-.10640	-.10610	-.02220	-.02120	-.04790	-.05060	.40590	.43250
3.000	2.148	-.10680	-.10750	-.10710	-.10680	-.02400	-.02290	-.05000	-.05270	.37940	.46140
3.000	3.199	-.10470	-.10510	-.10510	-.10440	-.02440	-.02330	-.05030	-.05300	.35290	.49200
3.000	4.263	-.10470	-.10440	-.10440	-.10370	-.02570	-.02470	-.05170	-.05440	.32080	.52330
3.000	6.374	-.10440	-.10300	-.10300	-.10270	-.02770	-.02670	-.05400	-.05680	.28460	.58540
	GRADIENT	-.00111	-.00070	-.00070	-.00067	-.00145	-.00144	-.00153	-.00153	-.02615	.02636

AMES 118-1-87 OA145C 01 (E2M074) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	25.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 102/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	.182	-.08470	-.09060	-.09100	-.09100	-.04880	-.04830	-.07750	-.07820	.36030	.32630
3.000	2.532	-.08790	-.09310	-.09340	-.09310	-.04780	-.04730	-.07680	-.07780	.37770	.33920
3.000	5.033	-.09210	-.09690	-.09690	-.09690	-.04750	-.04710	-.07640	-.07810	.39120	.35670
3.000	8.940	-.09830	-.10170	-.10170	-.10140	-.04250	-.04200	-.07140	-.07310	.41160	.37920
3.000	10.131	-.09900	-.10170	-.10140	-.10140	-.03940	-.03890	-.06760	-.06930	.41690	.38520
3.000	12.128	-.10100	-.10310	-.10280	-.10280	-.03190	-.03140	-.05940	-.06220	.42600	.39460
3.000	14.150	-.10310	-.10450	-.10450	-.10380	-.02430	-.02390	-.05120	-.05360	.43190	.40010
3.000	15.209	-.10490	-.10590	-.10590	-.10520	-.02120	-.02050	-.04710	-.04350	.43370	.40100
3.000	16.169	-.10480	-.10590	-.10590	-.10520	-.01670	-.01600	-.04230	-.04470	.43590	.40310
3.000	18.190	-.10410	-.10450	-.10450	-.10380	-.00750	-.00710	-.03110	-.03380	.44000	.40990
3.000	20.258	-.10220	-.10220	-.10180	-.10110	.00410	.00450	-.01910	-.02250	.44100	.41570
3.000	22.740	-.09770	-.09740	-.09740	-.09670	.01990	.02030	-.00410	-.00750	.44150	.41930
3.000	25.440	-.09360	-.09150	-.09150	-.09050	.03770	.03810	.01580	.01170	.44080	.41830
	GRADIENT	-.00136	-.00106	-.00102	-.00089	.00043	.00043	.00030	.00017	.00741	.00549

AMES 118-1-87 OA145C 01 (E2H075) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 1117 C RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP240	CP12	CP13
3.000	-11.761	-.01750	.43560	.40390
3.000	-7.990	-.01820	.43500	.40260
3.000	-5.969	-.01920	.43420	.40250
3.000	-3.884	-.01990	.43340	.40160
3.000	-2.001	-.01990	.43370	.40160
3.000	.019	-.01960	.43430	.40260
3.000	1.960	-.01960	.43430	.40260
3.000	4.040	-.01920	.43420	.40280
3.000	6.000	-.01890	.43470	.40300
3.000	8.000	-.01890	.43440	.40300
3.000	12.110	-.01890	.43480	.40270
3.000	16.359	-.01890	.43470	.40330
3.000	22.594	-.01890	.43470	.40330
	GRADIENT	.00009	.00011	.00017

AMES 118-1-87 OA145C 01 (E2H076) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 139/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	.300	-.08390	-.08950	-.08990	-.08950	-.05260	-.04860	-.07700	-.07770	.35850	.32730
3.000	2.561	-.08660	-.09190	-.09190	-.09190	-.05210	-.04800	-.07690	-.07760	.37510	.33860
3.000	5.032	-.09100	-.09600	-.09600	-.09600	-.05160	-.04720	-.07670	-.07770	.38970	.35570
3.000	7.582	-.09840	-.10200	-.10200	-.10160	-.05150	-.04750	-.07700	-.07840	.40220	.36990
3.000	10.113	-.09910	-.10160	-.10160	-.10160	-.04450	-.04050	-.06900	-.07110	.41520	.38360
3.000	12.149	-.10170	-.10340	-.10310	-.10310	-.03790	-.03350	-.06130	-.06370	.42360	.39200
3.000	14.126	-.10370	-.10510	-.10510	-.10440	-.03000	-.02570	-.05310	-.05560	.42990	.39860
3.000	15.176	-.10370	-.10480	-.10480	-.10410	-.02580	-.02150	-.04820	-.05070	.43290	.40200
3.000	16.155	-.10410	-.10520	-.10480	-.10410	-.02120	-.01700	-.04300	-.04580	.43510	.40450
3.000	18.180	-.10370	-.10440	-.10410	-.10340	-.01130	-.00710	-.03240	-.03480	.43800	.40990
3.000	20.237	-.10120	-.10160	-.10160	-.10050	-.00150	.00280	-.02010	-.02320	.43900	.41480
3.000	22.741	-.09660	-.09700	-.09660	-.09590	.01330	.01720	-.00530	-.00850	.43820	.41820
3.000	25.409	-.09350	-.09170	-.09130	-.09060	.03120	.03520	.01330	.00980	.43860	.41790
	GRADIENT	-.00119	-.00106	-.00088	-.00106	.00022	.00027	.00004	.00004	.00734	.00500

AMES 118-1-87 OA145C 01 (E2H077) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 141/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.312	-.01160	.61150	.25640
3.000	-4.235	-.01540	.54870	.29900
3.000	-2.103	-.01850	.48920	.34830
3.000	-1.047	-.01990	.46070	.37500
3.000	-.007	-.02200	.43230	.40160
3.000	1.093	-.02440	.40200	.43270
3.000	2.140	-.02610	.37620	.46120
3.000	3.245	-.02640	.34950	.49220
3.000	4.265	-.02750	.32630	.52080
3.000	6.397	-.03020	.28380	.58600
	GRADIENT	-.00150	-.02627	.02633

AMES 118-1-87 OA145C 01 (E2H078) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	2.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 140/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.000	.323	-.05420	.31260	.37450
3.000	2.560	-.05310	.32760	.38390
3.000	5.041	-.05240	.34020	.40440
3.000	7.627	-.04890	.35190	.42000
3.000	10.159	-.04300	.36390	.43780
3.000	12.214	-.03720	.37100	.44730
3.000	14.234	-.02960	.37460	.45650
3.000	15.255	-.02580	.37520	.46260
3.000	16.233	-.02090	.37710	.46590
3.000	18.213	-.01120	.37890	.47010
3.000	20.320	.00010	.38010	.47370
3.000	22.860	.01470	.38020	.47630
3.000	25.485	.03130	.38180	.47710
	GRADIENT	.00049	.00671	.00420

AMES 118-1-87 OA145C 01 (E2H079) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	40.000
RN/L =	2.500		

RUN NO. 144/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
3.000	-9.494	-.04000	.41530	.38400
3.000	-4.936	-.04000	.41490	.38440
3.000	-2.427	-.04040	.41450	.38430
3.000	.018	-.03970	.41480	.38460
3.000	2.544	-.04000	.41480	.38490
3.000	5.018	-.04040	.41420	.38470
3.000	10.010	-.04030	.41410	.38430
	GRADIENT	.00003	-.00000	.00007

AMES 118-1-87 OA145C 01 (E2H080) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	40.000
RN/L =	2.500		

RUN NO. 143/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-22.746	-.10250	-.10350	-.10350	-.10320	-.02470	-.02020	-.04570	-.04840	.43430	.40260
3.000	-17.927	-.10240	-.10380	-.10340	-.10310	-.02490	-.02030	-.04610	-.04820	.43350	.40220
3.000	-14.925	-.10240	-.10340	-.10340	-.10270	-.02480	-.02030	-.04610	-.04850	.43350	.40230
3.000	-9.476	-.10240	-.10340	-.10340	-.10270	-.02490	-.02040	-.04580	-.04850	.43320	.40230
3.000	-4.936	-.10240	-.10340	-.10340	-.10310	-.02490	-.02040	-.04580	-.04850	.43280	.40230
3.000	-2.427	-.10240	-.10340	-.10340	-.10280	-.02500	-.02050	-.04580	-.04820	.43280	.40230
3.000	.000	-.10280	-.10390	-.10350	-.10320	-.02530	-.02070	-.04620	-.04860	.43340	.40250
3.000	2.504	-.10240	-.10350	-.10350	-.10280	-.02460	-.02010	-.04580	-.04820	.43320	.40300
3.000	4.998	-.10250	-.10380	-.10350	-.10310	-.02500	-.02040	-.04620	-.04860	.43290	.40270
3.000	9.999	-.10250	-.10350	-.10350	-.10310	-.02500	-.02040	-.04580	-.04820	.43330	.40270
3.000	15.038	-.10250	-.10380	-.10350	-.10310	-.02500	-.02040	-.04580	-.04860	.43290	.40340
3.000	22.834	-.10280	-.10420	-.10420	-.10350	-.02500	-.02040	-.04620	-.04890	.43260	.40340
	GRADIENT	-.00001	-.00004	-.00001	.00000	.00001	.00002	-.00003	-.00001	.00002	.00006

AMES 118-1-87 OA145C 01 (E2H081) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	40.000
RN/L =	2.500		

RUN NO. 145/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
3.000	-9.476	.00440	.43980	.41540
3.000	-4.936	.00400	.43900	.41540
3.000	-2.427	.00370	.43890	.41520
3.000	.009	.00370	.43900	.41530
3.000	2.524	.00360	.43870	.41540
3.000	5.008	.00370	.43860	.41530
3.000	9.999	.00400	.43850	.41550
	GRADIENT	-.00005	-.00003	.00000

AMES 118-1-87 OA145C 01 (E2H082) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	40.000
RN/L =	2.500		

RUN NO. 146/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
3.000	-22.724	-.02390	.37710	.46350
3.000	-17.927	-.02450	.37690	.46340
3.000	-14.914	-.02420	.37660	.46270
3.000	-9.485	-.02450	.37630	.46280
3.000	-4.936	-.02450	.37650	.46360
3.000	-2.417	-.02380	.37650	.46360
3.000	.027	-.02420	.37630	.46300
3.000	2.544	-.02420	.37640	.46350
3.000	5.008	-.02420	.37630	.46380
3.000	9.999	-.02450	.37580	.46400
3.000	15.006	-.02380	.37600	.46410
3.000	22.845	-.02350	.37670	.46490
	GRADIENT	.00002	-.00002	-.00004

AMES 118-1-87 OA145C 01 (E2H083) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 142/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.319	-.01160	.61050	.25600
3.000	-4.203	-.01540	.54780	.29920
3.000	-2.107	-.01850	.48950	.34830
3.000	-1.046	-.02020	.46090	.37520
3.000	.006	-.02190	.43200	.40160
3.000	1.104	-.02440	.40190	.43230
3.000	2.166	-.02580	.37600	.46130
3.000	3.190	-.02610	.35080	.49030
3.000	4.242	-.02710	.32690	.52070
3.000	6.395	-.02960	.28410	.58530
	GRADIENT	-.00145	-.02627	.02636

AMES 118-I-87 OA145C 01 (E2H084) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6900 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	40.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 147/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.000	.319	-.05140	.35670	.32580
3.000	2.549	-.05070	.37270	.33700
3.000	5.025	-.05000	.38750	.35460
3.000	7.574	-.04820	.40140	.36980
3.000	10.067	-.04140	.41360	.38310
3.000	12.120	-.03450	.42260	.39140
3.000	14.135	-.02660	.42870	.39780
3.000	15.177	-.02220	.43180	.40090
3.000	16.183	-.01740	.43480	.40380
3.000	18.213	-.00780	.43730	.40880
3.000	20.257	.00320	.43850	.41480
3.000	22.693	.01740	.43780	.41720
3.000	25.422	.03490	.43890	.41730
	GRADIENT	.00031	.00718	.00502

AMES 118-1-87 OA145C 01 (E2H085) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 129/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	.305	-.08610	-.09240	-.09240	-.09240	-.05550	-.05050	-.07950	-.07990	.35750	.32500
3.000	2.550	-.08920	-.09450	-.09450	-.09450	-.05490	-.04990	-.07890	-.07990	.37350	.33750
3.000	5.011	-.09350	-.09800	-.09800	-.09800	-.05420	-.04920	-.07850	-.07960	.38770	.35380
3.000	7.588	-.09940	-.10290	-.10290	-.10290	-.05240	-.04740	-.07710	-.07850	.40250	.36930
3.000	10.077	-.10050	-.10290	-.10290	-.10260	-.04540	-.04040	-.06910	-.07080	.41430	.38250
3.000	12.145	-.10180	-.10360	-.10330	-.10330	-.03840	-.03340	-.06100	-.06350	.42370	.39200
3.000	14.169	-.10440	-.10580	-.10580	-.10510	-.03070	-.02580	-.05270	-.05510	.43000	.39860
3.000	15.180	-.10470	-.10610	-.10610	-.10540	-.02650	-.02160	-.04810	-.05060	.43250	.40140
3.000	16.169	-.10510	-.10620	-.10620	-.10550	-.02300	-.01810	-.04290	-.04570	.43470	.40320
3.000	18.193	-.10470	-.10540	-.10510	-.10470	-.01170	-.00680	-.03100	-.03410	.43800	.40930
3.000	20.245	-.10260	-.10300	-.10260	-.10230	-.00050	.00440	-.01980	-.02260	.43860	.41520
3.000	22.750	-.09800	-.09800	-.09800	-.09760	.01450	.01970	-.00410	-.00760	.43760	.41770
3.000	25.455	-.09450	-.09280	-.09280	-.09170	.03270	.03800	.01560	.01170	.43800	.41810
	GRADIENT	-.00138	-.00094	-.00094	-.00094	.00027	.00027	.027	.00000	.00713	.00557

AMES 118-1-87 OA145C 01 (E2H086) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 132/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.326	-.01090	.61210	.25720
3.000	-4.215	-.01540	.54820	.30000
3.000	-2.121	-.01860	.48950	.34780
3.000	-1.046	-.02030	.46010	.37410
3.000	.009	-.02170	.43150	.40140
3.000	1.109	-.02380	.40180	.43260
3.000	2.153	-.02510	.37650	.46050
3.000	3.214	-.02580	.35050	.49110
3.000	4.289	-.02690	.32600	.52330
3.000	6.379	-.02860	.28300	.58520
	GRADIENT	-.00138	-.02619	.02640

AMES 118-1-87 OA145C 01 (E2H087) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 131/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.000	.308	-.05080	.35840	.32520
3.000	2.558	-.05010	.37420	.33760
3.000	5.002	-.04900	.38820	.35460
3.000	7.589	-.04730	.40230	.37020
3.000	10.079	-.04040	.41430	.38350
3.000	12.159	-.03340	.42350	.39270
3.000	14.157	-.02580	.42900	.39900
3.000	15.192	-.02140	.43190	.40080
3.000	16.175	-.01820	.43420	.40350
3.000	18.190	-.00780	.43660	.40900
3.000	20.247	.00460	.43840	.41530
3.000	22.761	.01990	.43780	.41850
3.000	25.423	.03780	.43690	.41790
	GRADIENT	.00031	.00702	.00551

AMES 118-1-87 OA145C 01 (E2H088) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	70.000
RN/L =	2.500		

RUN NO. 135/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
3.000	-9.503	-.03950	.41590	.38450
3.000	-4.916	-.03990	.41530	.38420
3.000	-2.447	-.04020	.41450	.38400
3.000	.027	-.04020	.41400	.38400
3.000	2.504	-.03990	.41460	.38460
3.000	5.008	-.04020	.41460	.38420
3.000	10.021	-.04020	.41410	.38370
	GRADIENT	.00000	-.00011	.00005

AMES 118-1-87 OA145C 01 (E2H089) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 70.000
RN/L = 2.500

RUN NO. 134/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-17.957	-.10340	-.10440	-.10440	-.10370	-.02590	-.02040	-.04540	-.04780	.43320	.40210
3.000	-14.990	-.10410	-.10510	-.10480	-.10440	-.02650	-.02100	-.04600	-.04840	.43270	.40120
3.000	-9.485	-.10480	-.10580	-.10550	-.10510	-.02690	-.02140	-.04670	-.04910	.43190	.40110
3.000	-4.946	-.10410	-.10510	-.10510	-.10480	-.02660	-.02110	-.04610	-.04880	.43200	.40160
3.000	-2.427	-.10410	-.10510	-.10510	-.10480	-.02650	-.02100	-.04600	-.04840	.43220	.40160
3.000	.018	-.10410	-.10510	-.10510	-.10480	-.02660	-.02110	-.04570	-.04840	.43200	.40160
3.000	2.504	-.10410	-.10510	-.10510	-.10480	-.02660	-.02110	-.04610	-.04840	.43190	.40150
3.000	4.998	-.10440	-.10540	-.10540	-.10510	-.02690	-.02140	-.04630	-.04910	.43200	.40190
3.000	10.010	-.10480	-.10580	-.10580	-.10550	-.02690	-.02140	-.04670	-.04910	.43150	.40180
3.000	15.027	-.10450	-.10550	-.10550	-.10480	-.02690	-.02140	-.04670	-.04910	.43180	.40210
	GRADIENT	-.00002	-.00002	-.00002	-.00002	-.00003	-.00003	-.00002	-.00002	-.00001	.00001

AMES 118-1-87 OA145C 01 (E2H090) (25 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 70.000
RN/L = 2.500

RUN NO. 136/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
3.000	-9.476	.00500	.43890	.41570
3.000	-4.926	.00430	.43840	.41510
3.000	-2.447	.00430	.43760	.41540
3.000	.009	.00430	.43760	.41540
3.000	2.534	.00430	.43750	.41570
3.000	5.008	.00430	.43740	.41560
3.000	10.021	.00470	.43760	.41610
	GRADIENT	-.00000	-.00011	.00007

AMES 118-1-87 OA145C 01 (E2H091) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	70.000
RN/L =	2.500		

RUN NO. 137/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
3.000	-17.957	-.02310	.37750	.46300
3.000	-14.947	-.02340	.37750	.46300
3.000	-9.448	-.02350	.37710	.46320
3.000	-4.936	-.02340	.37730	.46310
3.000	-2.437	-.02380	.37690	.46340
3.000	.009	-.02380	.37680	.46320
3.000	2.514	-.02380	.37710	.46360
3.000	5.008	-.02380	.37680	.46320
3.000	10.031	-.02380	.37680	.46320
3.000	15.038	-.02410	.37610	.46320
	GRADIENT	-.00005	-.00003	.00005

AMES 118-1-87 OA145C 01 (E2H092) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 133/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.309	-.01120	.61150	.25740
3.000	-4.197	-.01510	.54760	.30030
3.000	-2.085	-.01820	.48820	.34860
3.000	-1.046	-.01960	.46010	.37440
3.000	-.008	-.02100	.43210	.40100
3.000	1.107	-.02310	.40230	.43210
3.000	2.173	-.02440	.37660	.46160
3.000	3.234	-.02510	.35020	.49110
3.000	4.279	-.02650	.32650	.52280
3.000	6.410	-.02820	.28260	.58630
	GRADIENT	-.00136	-.02611	.02638

AMES 118-1-87 OA145C 01 (E2H093) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN.	XO	
LREF =	474.8100	INCHES	YMRP =	.0000	IN.	YO	
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN.	ZO	
SCALE =	.0500						

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	70.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 130/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.000	.317	-.05080	.35840	.32600
3.000	2.564	-.05040	.37330	.33710
3.000	5.019	-.04930	.38760	.35410
3.000	7.582	-.04760	.40170	.36890
3.000	10.079	-.04040	.41430	.38260
3.000	12.175	-.03310	.42350	.39280
3.000	14.146	-.02550	.42940	.39790
3.000	15.197	-.02100	.43190	.40080
3.000	16.161	-.01790	.43390	.40290
3.000	18.194	-.00710	.43740	.40910
3.000	20.265	.00390	.43780	.41470
3.000	22.776	.02030	.43760	.41860
3.000	25.424	.03790	.43740	.41770
	GRADIENT	.00018	.00663	.00494

AMES 118-1-87 OA145C 01 (E2H094) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	2.500		

RUN NO. 114/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	.175	-.08620	-.09180	-.09210	-.09210	-.05110	-.05060	-.07850	-.07920	.35610	.32430
3.000	2.544	-.08930	-.09420	-.09420	-.09420	-.04970	-.04920	-.07780	-.07880	.37260	.33730
3.000	5.049	-.09280	-.09730	-.09730	-.09730	-.04860	-.04810	-.07710	-.07810	.38750	.35400
3.000	7.194	-.09840	-.10190	-.10190	-.10190	-.04750	-.04700	-.07640	-.07810	.40030	.36750
3.000	10.118	-.09970	-.10220	-.10220	-.10180	-.03940	-.03900	-.06760	-.06930	.41470	.38330
3.000	12.188	-.10190	-.10360	-.10330	-.10290	-.03280	-.03240	-.06030	-.06240	.42320	.39080
3.000	14.164	-.10290	-.10400	-.10400	-.10360	-.02440	-.02390	-.05080	-.05330	.43020	.39840
3.000	15.169	-.10400	-.10540	-.10540	-.10470	-.02050	-.02010	-.04670	-.04950	.43320	.40140
3.000	16.187	-.10430	-.10540	-.10500	-.10470	-.01560	-.01520	-.04140	-.04420	.43580	.40440
3.000	18.198	-.10430	-.10500	-.10500	-.10430	-.00650	-.00610	-.03020	-.03370	.43790	.40890
3.000	20.260	-.10180	-.10220	-.10180	-.10110	.00440	.00480	-.01800	-.02150	.43850	.41440
3.000	21.730	-.09910	-.09980	-.09940	-.09870	.01270	.01310	-.00960	-.01280	.43800	.41740
3.000	22.743	-.09730	-.09770	-.09770	-.09700	.01940	.02010	-.00320	-.00640	.43780	.41730
	GRADIENT	-.00131	-.00101	-.00089	-.00089	.00059	.00059	.00030	.00017	.00696	.00549

AMES 118-1-87 OA145C 01 (E2H095) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	.000
RN/L =	2.500		

RUN NO. 120/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.270	-.02800	.57930	.24340
3.000	-4.199	-.03380	.52280	.28450
3.000	-2.065	-.03750	.46750	.33110
3.000	-1.012	-.03880	.44270	.35590
3.000	.066	-.03990	.41410	.38310
3.000	1.116	-.04050	.38780	.41080
3.000	2.169	-.04120	.36440	.43660
3.000	3.203	-.04250	.33980	.46300
3.000	4.254	-.04320	.31650	.49170
3.000	6.387	-.04450	.27640	.55050
	GRADIENT	-.00105	-.02444	.02467

AMES 118-1-87 OA145C 01 (E2H096) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 118/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-6.387	-.08810	-.09220	-.09220	-.09180	-.01240	-.01100	-.03340	-.03620	.61300	.25500
3.000	-4.280	-.09450	-.09760	-.09760	-.09730	-.01510	-.01370	-.03850	-.04120	.54940	.29810
3.000	-2.179	-.09970	-.10200	-.10170	-.10140	-.01750	-.01610	-.04120	-.04400	.49070	.34700
3.000	-1.128	-.10240	-.10380	-.10380	-.10310	-.01950	-.01810	-.04330	-.04600	.46260	.37290
3.000	-.058	-.10410	-.10550	-.10550	-.10480	-.02160	-.02020	-.04570	-.04810	.43300	.40080
3.000	1.001	-.10580	-.10650	-.10650	-.10580	-.02330	-.02190	-.04770	-.05040	.40350	.43030
3.000	2.075	-.10580	-.10650	-.10610	-.10580	-.02490	-.02350	-.04940	-.05210	.37740	.46060
3.000	3.136	-.10370	-.10370	-.10370	-.10310	-.02570	-.02430	-.04970	-.05250	.35160	.48980
3.000	4.197	-.10370	-.10340	-.10340	-.10300	-.02670	-.02530	-.05110	-.05380	.32720	.52100
3.000	6.304	-.10300	-.10170	-.10170	-.10130	-.02940	-.02770	-.05380	-.05620	.28540	.58420
	GRADIENT	-.00106	-.00066	-.00066	-.00065	-.00145	-.00145	-.00157	-.00157	-.02632	.02647

AMES 118-1-87 OA145C 01 (E2H097) (25 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 117/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.277	.01720	.62910	.26540
3.000	-4.176	.01180	.56330	.30950
3.000	-2.054	.00830	.49770	.36100
3.000	-.995	.00740	.46840	.38830
3.000	.066	.00600	.43890	.41540
3.000	1.134	.00460	.40950	.44380
3.000	2.178	.00360	.38250	.47180
3.000	3.241	.00120	.35440	.50130
3.000	4.251	-.00150	.33010	.53300
3.000	6.340	-.00490	.28890	.59860
	GRADIENT	-.00147	-.02755	.02641

AMES 118-1-87 OA145C 01 (E2H098) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 115/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	.323	-.08820	-.09340	-.09340	-.09340	-.05270	-.05220	-.08090	-.08160	.31510	.37430
3.000	2.550	-.08970	-.09380	-.09380	-.09380	-.05200	-.05150	-.08000	-.08100	.32950	.38510
3.000	5.038	-.09280	-.09630	-.09630	-.09630	-.05030	-.04980	-.07890	-.08000	.34230	.40540
3.000	7.769	-.09660	-.09900	-.09900	-.09870	-.04680	-.04630	-.07540	-.07680	.35490	.42150
3.000	10.189	-.09940	-.10110	-.10110	-.10110	-.04080	-.04040	-.06880	-.07090	.36610	.43790
3.000	12.229	-.10280	-.10390	-.10390	-.10350	-.03450	-.03410	-.06190	-.06470	.37330	.44790
3.000	14.234	-.10460	-.10560	-.10530	-.10490	-.02730	-.02690	-.05430	-.05640	.37660	.45670
3.000	15.262	-.10460	-.10530	-.10490	-.10460	-.02300	-.02260	-.04900	-.05180	.37710	.46450
3.000	16.274	-.10490	-.10530	-.10530	-.10460	-.01820	-.01780	-.04390	-.04660	.37940	.46580
3.000	18.221	-.10320	-.10320	-.10280	-.10210	-.00810	-.00770	-.03240	-.03550	.38170	.47090
3.000	20.373	-.10000	-.10000	-.09960	-.09900	.00270	.00340	-.01850	-.02190	.38160	.47500
3.000	22.882	-.09970	-.09900	-.09870	-.09800	.01600	.01680	-.00580	-.00920	.38040	.47630
3.000	25.485	-.09550	-.09380	-.09350	-.09250	.03330	.03400	.01240	.00870	.38210	.47700
	GRADIENT	-.00067	-.00018	-.00018	-.00018	.00031	.00031	.00040	.00027	.00646	.00485

AMES 118-1-87 OA145C 01 (E2H099) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 2.500

RUN NO. 121/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-9.494	-.09850	-.10090	-.10090	-.10050	-.04090	-.03880	-.06610	-.06820	.41410	.38380
3.000	-4.926	-.09890	-.10130	-.10130	-.10100	-.04160	-.03950	-.06690	-.06860	.41430	.38390
3.000	-2.417	-.09890	-.10130	-.10130	-.10100	-.04160	-.03950	-.06690	-.06860	.41400	.38430
3.000	.009	-.09890	-.10130	-.10100	-.10100	-.04160	-.03950	-.06690	-.06860	.41430	.38390
3.000	2.514	-.09860	-.10090	-.10090	-.10060	-.04130	-.03920	-.06650	-.06820	.41410	.38440
3.000	5.008	-.09860	-.10090	-.10090	-.10060	-.04100	-.03880	-.06620	-.06820	.41410	.38480
3.000	10.010	-.09890	-.10130	-.10130	-.10100	-.04160	-.03950	-.06690	-.06890	.41350	.38440
	GRADIENT	.00004	.00005	.00006	.00005	.00004	.00004	.00005	.00005	-.00001	.00004

AMES 118-1-87 OA145C 01 (E2H0A0) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 2.500

RUN NO. 122/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-17.937	-.10190	-.10330	-.10300	-.10260	-.02130	-.01930	-.04460	-.04730	.43400	.40220
3.000	-14.968	-.10190	-.10330	-.10330	-.10290	-.02130	-.01930	-.04460	-.04730	.43350	.40220
3.000	-9.494	-.10400	-.10540	-.10500	-.10470	-.02300	-.02090	-.04630	-.04860	.43230	.40120
3.000	-4.926	-.10400	-.10540	-.10540	-.10500	-.02300	-.02090	-.04630	-.04900	.43200	.40120
3.000	-2.447	-.10440	-.10540	-.10540	-.10470	-.02330	-.02130	-.04660	-.04930	.43200	.40090
3.000	.018	-.10440	-.10570	-.10540	-.10510	-.02330	-.02130	-.04660	-.04930	.43170	.40100
3.000	2.534	-.10400	-.10540	-.10540	-.10470	-.02330	-.02130	-.04660	-.04900	.43160	.40120
3.000	5.028	-.10400	-.10500	-.10500	-.10470	-.02300	-.02090	-.04630	-.04900	.43200	.40160
3.000	10.021	-.10370	-.10470	-.10440	-.10400	-.02260	-.02060	-.04590	-.04830	.43150	.40150
3.000	15.038	-.10330	-.10440	-.10440	-.10370	-.02230	-.02030	-.04590	-.04830	.43190	.40220
	GRADIENT	.00000	-.00001	.00000	.00002	-.00004	-.00005	-.00004	.00000	-.00006	.00000

AMES 118-1-87 OA145C 01 (E2H0A1) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 2.500

RUN NO. 123/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-9.503	-.10130	-.10160	-.10130	-.10090	.00270	.00510	-.01790	-.02090	.43930	.41500
3.000	-4.936	-.10090	-.10130	-.10130	-.10060	.00340	.00540	-.01760	-.02100	.43890	.41470
3.000	-2.437	-.10090	-.10130	-.10090	-.10060	.00340	.00550	-.01760	-.02090	.43850	.41460
3.000	.009	-.10130	-.10160	-.10160	-.10090	.00270	.00510	-.01760	-.02060	.43830	.41470
3.000	2.524	-.10130	-.10160	-.10130	-.10090	.00310	.00550	-.01760	-.02060	.43820	.41460
3.000	5.008	-.10130	-.10160	-.10130	-.10060	.00340	.00580	-.01760	-.02060	.43840	.41480
3.000	10.031	-.10130	-.10190	-.10160	-.10130	.00310	.00550	-.01760	-.02060	.43840	.41520
	GRADIENT	-.00006	-.00005	-.00003	-.00005	-.00006	-.00000	.00000	.00006	-.00009	-.00001

AMES 118-1-87 OA145C 01 (E2H0A2) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	2.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	87.200
RN/L =	2.500		

RUN NO. 124/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
3.000	-9.512	-.02230	.37750	.46310
3.000	-4.916	-.02260	.37680	.46310
3.000	-2.447	-.02260	.37680	.46280
3.000	.000	-.02260	.37620	.46290
3.000	2.504	-.02430	.37510	.46230
3.000	5.038	-.02430	.37500	.46220
3.000	10.010	-.02430	.37510	.46230
	GRADIENT	-.00021	-.00023	-.00009

AMES 118-1-87 OA145C 01 (E2H0A3) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	87.200	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 119/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-6.368	-.08800	-.09210	-.09210	-.09180	-.01200	-.01030	-.03340	-.03610	.61240	.25590
3.000	-4.279	-.09420	-.09720	-.09720	-.09690	-.01540	-.01410	-.03890	-.04160	.54930	.29840
3.000	-2.187	-.09890	-.10130	-.10090	-.10060	-.01740	-.01570	-.04050	-.04360	.49220	.34720
3.000	-1.134	-.10130	-.10270	-.10230	-.10200	-.01880	-.01710	-.04230	-.04530	.46310	.37320
3.000	-.055	-.10300	-.10440	-.10440	-.10370	-.02090	-.01920	-.04460	-.04730	.43360	.40200
3.000	1.006	-.10400	-.10500	-.10500	-.10440	-.02260	-.02090	-.04630	-.04900	.40440	.43120
3.000	2.064	-.10470	-.10540	-.10510	-.10470	-.02430	-.02260	-.04840	-.05110	.37850	.46030
3.000	3.137	-.10270	-.10270	-.10230	-.10200	-.02490	-.02320	-.04870	-.05100	.35190	.49110
3.000	4.201	-.10300	-.10260	-.10230	-.10200	-.02630	-.02460	-.05040	-.05310	.32830	.52160
3.000	6.304	-.10200	-.10090	-.10060	-.10020	-.02870	-.02700	-.05280	-.05550	.28550	.58510
	GRADIENT	-.00100	-.00061	-.00059	-.00058	-.00136	-.00133	-.00145	-.00141	-.02625	.02651

AMES 118-1-87 OA145C 01 (E2H0A4) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 87.200 RUDDER = -5.000
RN/L = 2.500

RUN NO. 116/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	.170	-.08520	-.09100	-.09100	-.09100	-.05160	-.05080	-.07810	-.07880	.35540	.32540
3.000	2.564	-.08860	-.09340	-.09340	-.09340	-.05060	-.04980	-.07740	-.07850	.37230	.33750
3.000	5.011	-.09210	-.09650	-.09650	-.09650	-.04960	-.04880	-.07680	-.07780	.38660	.35450
3.000	7.792	-.09830	-.10170	-.10170	-.10170	-.04720	-.04640	-.07480	-.07650	.40180	.37110
3.000	10.088	-.10000	-.10240	-.10240	-.10210	-.04140	-.04020	-.06790	-.06960	.41390	.38310
3.000	12.131	-.10100	-.10240	-.10240	-.10210	-.03350	-.03240	-.05900	-.06140	.42300	.39190
3.000	14.150	-.10240	-.10340	-.10340	-.10310	-.02560	-.02450	-.05020	-.05290	.42930	.39820
3.000	15.176	-.10380	-.10480	-.10480	-.10440	-.02110	-.02010	-.04570	-.04840	.43280	.40140
3.000	16.181	-.10370	-.10480	-.10440	-.10410	-.01630	-.01530	-.04020	-.04290	.43550	.40440
3.000	18.199	-.10370	-.10440	-.10440	-.10370	-.00740	-.00640	-.02960	-.03270	.43820	.40980
3.000	20.250	-.10130	-.10170	-.10130	-.10060	.00420	.00530	-.01730	-.02110	.43890	.41500
3.000	22.757	-.09610	-.09650	-.09610	-.09550	.02000	.02070	-.00210	-.00620	.43840	.41870
3.000	25.431	-.09270	-.09070	-.09070	-.08970	.03730	.03810	.01700	.01290	.43870	.41800
	GRADIENT	-.00142	-.00100	-.00100	-.00100	.00042	.00042	.00029	.00013	.00706	.00505

AMES 118-1-87 OA145C 01 (E2H0A5) (25 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
SPOBRK = 87.200 RUDDER = .000
RN/L = 2.500

RUN NO. 125/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP240	CP12	CP13
3.000	-11.772	-.01960	.43230	.40160
3.000	-8.031	-.02020	.43190	.40150
3.000	-3.894	-.02030	.43170	.40130
3.000	.029	-.02020	.43220	.40180
3.000	3.996	-.02060	.43180	.40110
3.000	7.980	-.02060	.43190	.40150
3.000	12.090	-.02090	.43200	.40160
3.000	16.349	-.02090	.43140	.40110
3.000	22.613	-.02060	.43140	.40110
	GRADIENT	-.00004	.00001	-.00003

AMES 118-1-87 OA145C 01 (E2H0A6) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	-11.700	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 159/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
3.000	-22.758	-.02120	.41590	.40060
3.000	-17.947	-.02120	.41590	.40060
3.000	-14.947	-.02150	.41570	.40040
3.000	-9.467	-.02150	.41560	.40060
3.000	-4.936	-.02290	.41370	.39940
3.000	-2.447	-.02290	.41430	.39970
3.000	.018	-.02290	.41400	.40000
3.000	2.534	-.02290	.41430	.40000
3.000	5.008	-.02290	.41370	.39940
3.000	9.999	-.02320	.41340	.40010
	GRADIENT	.00000	.00006	.00008

AMES 118-1-87 OA145C 01 (E2H0A7) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	AILRON =	.000
BDFLAP =	16.300	SPDBRK =	55.000
RN/L =	2.500		

RUN NO. 158/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
3.000	-22.746	-.02190	.41560	.40030
3.000	-17.917	-.02190	.41600	.40040
3.000	-14.968	-.02250	.41550	.40020
3.000	-9.457	-.02260	.41530	.40060
3.000	-4.956	-.02250	.41520	.40020
3.000	-2.437	-.02220	.41500	.40040
3.000	.036	-.02260	.41490	.40060
3.000	2.524	-.02290	.41470	.40080
3.000	5.008	-.02290	.41440	.40110
3.000	9.999	-.02220	.41500	.40140
	GRADIENT	-.00006	-.00006	.00008

AMES 118-1-87 OA145C 01 (E2H0A8) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 160/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.321	-.01430	.59460	.25420
3.000	-4.230	-.01780	.53210	.29670
3.000	-2.117	-.01950	.47240	.34640
3.000	-.991	-.02120	.44150	.37440
3.000	-.000	-.02280	.41380	.39980
3.000	1.113	-.02490	.38390	.43160
3.000	2.146	-.02630	.35900	.46010
3.000	3.211	-.02710	.33280	.48970
3.000	4.252	-.02830	.30880	.51940
3.000	6.375	-.03040	.26780	.58540
	GRADIENT	-.00133	-.02638	.02645

AMES 118-1-87 OA145C 01 (E2H0A9) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	55.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 162/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.303	-.01400	.59390	.25500
3.000	-4.215	-.01810	.53080	.29760
3.000	-2.112	-.02050	.47130	.34630
3.000	-.983	-.02220	.44080	.37480
3.000	-.005	-.02390	.41380	.39960
3.000	1.120	-.02590	.38340	.43080
3.000	2.141	-.02690	.35840	.45950
3.000	3.196	-.02750	.33300	.48970
3.000	4.261	-.02860	.30810	.51950
3.000	6.366	-.03090	.26700	.58350
	GRADIENT	-.00130	-.02631	.02640

AMES 118-1-87 OA145C 01 (E2H0B0) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 154/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
3.000	-14.942	-.04450	.41570	.40100
3.000	-12.947	-.04140	.41560	.40120
3.000	-9.964	-.03800	.41480	.40080
3.000	-7.947	-.03490	.41520	.40120
3.000	-4.943	-.03040	.41540	.40070
3.000	-3.929	-.02940	.41500	.40100
3.000	-1.920	-.02520	.41540	.40100
3.000	.041	-.02020	.41530	.40160
3.000	2.041	-.01670	.41600	.40160
3.000	4.032	-.01300	.41550	.40140
3.000	5.016	-.00950	.41520	.40150
3.000	8.018	.00080	.41550	.40110
3.000	10.026	.01210	.41550	.40140
	GRADIENT	.00202	.00006	.00009

AMES 118-1-87 OA145C 01 (E2H081) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 153/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
3.000	-14.948	-.04590	.41510	.40100
3.000	-12.964	-.04340	.41410	.40010
3.000	-9.944	-.03890	.41490	.40050
3.000	-7.942	-.03580	.41510	.40100
3.000	-6.474	-.03200	.41400	.40020
3.000	-4.943	-.03180	.41530	.40120
3.000	-3.931	-.03030	.41490	.40090
3.000	-1.949	-.02600	.41470	.40170
3.000	.023	-.02190	.41550	.40120
3.000	2.038	-.01820	.41480	.40140
3.000	4.030	-.01430	.41490	.40150
3.000	5.025	-.01060	.41530	.40160
3.000	8.027	-.00030	.41460	.40090
3.000	10.021	.00790	.41490	.40150
	GRADIENT	.00198	-.00002	.00004

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	10.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 1567 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP240	CP12	CP13
3.000	-11.772	.01180	.41540	.40110
3.000	-8.031	.01180	.41500	.40110
3.000	-5.979	.01180	.41550	.40090
3.000	-3.894	.01180	.41540	.40110
3.000	-2.011	.01150	.41510	.40110
3.000	.049	.01180	.41540	.40110
3.000	1.960	.01150	.41520	.40120
3.000	4.007	.01150	.41520	.40090
3.000	6.020	.00980	.41380	.40020
3.000	8.020	.00980	.41380	.40020
3.000	12.090	.00950	.41350	.39990
3.000	16.328	.00920	.41310	.39990
3.000	22.585	.00920	.41320	.39960
	GRADIENT	-.00003	-.00001	-.00002

AMES 118-1-87 OA145C 01 (E2M083) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-10.000	AILRON =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 157/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP240	CP12	CP13
3.000	-11.761	-.03920	.41470	.40000
3.000	-8.031	-.03960	.41420	.39960
3.000	-5.979	-.03990	.41360	.39930
3.000	-3.894	-.04030	.41360	.39930
3.000	-1.980	-.04030	.41320	.39930
3.000	.000	-.03990	.41370	.39940
3.000	1.960	-.03990	.41390	.39960
3.000	4.007	-.03990	.41380	.39990
3.000	5.990	-.03990	.41420	.39960
3.000	8.030	-.03990	.41400	.40000
3.000	12.080	-.04030	.41380	.39990
3.000	16.349	-.04020	.41360	.40000
3.000	22.613	-.04030	.41400	.39970
	GRADIENT	.00006	.00006	.00008

AMES 118-1-87 OA145C 01 (E2H0B4) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 180/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.000	.322	-.05220	.35250	.32450
3.000	2.585	-.05200	.36580	.33780
3.000	4.981	-.05170	.37840	.35410
3.000	7.582	-.05300	.39070	.37040
3.000	10.119	-.04870	.40170	.38350
3.000	12.147	-.04420	.40970	.39210
3.000	14.160	-.03820	.41300	.39890
3.000	15.185	-.03510	.41450	.40170
3.000	16.166	-.03070	.41580	.40400
3.000	18.206	-.02330	.41430	.40960
3.000	20.235	-.01480	.41340	.41440
3.000	22.753	-.00190	.41020	.41830
3.000	25.473	.01460	.40800	.41810
	GRADIENT	.00011	.00556	.00636

AMES 118-1-87 OA145C 01 (E2H085) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	-10.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 181/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.000	.334	-.05300	.35320	.32480
3.000	2.527	-.05230	.36590	.33720
3.000	4.994	-.05230	.37840	.35380
3.000	7.590	-.05360	.39060	.36960
3.000	10.053	-.05030	.40160	.38260
3.000	12.150	-.04550	.40950	.39190
3.000	14.154	-.03910	.41270	.39820
3.000	15.216	-.03570	.41360	.40150
3.000	16.186	-.03200	.41500	.40350
3.000	18.191	-.02460	.41390	.40880
3.000	20.240	-.01540	.41220	.41390
3.000	22.747	-.00220	.40970	.41790
3.000	25.420	.01400	.40770	.41750
	GRADIENT	.00015	.00540	.00623

AMES 118-1-87 OA145C 01 (E2H0B6) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 183/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.000	.324	-.04690	.35140	.32480
3.000	2.507	-.04320	.36530	.33670
3.000	5.000	-.03750	.37740	.35350
3.000	7.570	-.02810	.39020	.36960
3.000	10.055	-.01560	.40160	.38210
3.000	12.140	-.00300	.40920	.39170
3.000	14.179	.00980	.41240	.39830
3.000	15.198	.01750	.41350	.40070
3.000	16.222	.02500	.41480	.40370
3.000	18.216	.04150	.41380	.40870
3.000	20.251	.06040	.41210	.41380
3.000	22.762	.08410	.40970	.41750
3.000	25.442	.11140	.40710	.41750
	GRADIENT	.00202	.00554	.00615

AMES 118-1-87 OA145C 01 (E2H087) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

BETA =	.000	ELEVON =	10.000
AILRON =	.000	BDFLAP =	16.300
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 182/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
3.000	.310	-.04620	.35330	.32560
3.000	2.510	-.04250	.36660	.33760
3.000	4.992	-.03670	.37890	.35430
3.000	7.606	-.02730	.39140	.36980
3.000	10.062	-.01510	.40190	.38330
3.000	12.201	-.00220	.41010	.39220
3.000	14.136	.00930	.41310	.39830
3.000	15.188	.01680	.41400	.40150
3.000	16.199	.02430	.41510	.40390
3.000	18.207	.04140	.41400	.40960
3.000	20.224	.05970	.41230	.41430
3.000	22.782	.08230	.40920	.41760
3.000	25.440	.11060	.40720	.41660
	GRADIENT	.00204	.00546	.00614

AMES 118-1-87 OA145C 01 (E2H088) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-OB =	.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 163/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-18	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-3.951	-.10320	-.10460	-.10460	-.10420	-.03100	-.02250	-.04820	-.05090	.41500	.40050
3.000	-1.937	-.10350	-.10490	-.10490	-.10450	-.03090	-.02250	-.04820	-.05090	.41470	.40090
3.000	.028	-.10460	-.10560	-.10560	-.10530	-.03130	-.02280	-.04850	-.05120	.41410	.39990
3.000	2.014	-.10460	-.10560	-.10560	-.10490	-.03130	-.02280	-.04850	-.05090	.41440	.40020
3.000	4.010	-.10530	-.10630	-.10630	-.10560	-.03170	-.02320	-.04890	-.05160	.41470	.40020
	GRADIENT	-.00027	-.00021	-.00021	-.00016	-.00009	-.00009	-.00009	-.00007	-.00005	-.00007

AMES 118-1-87 OA145C 01 (E2H0B9) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELV-OB = 5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RUDDER = .000 RN/L = 2.500

RUN NO. 164/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	1.016	-.10250	-.10290	-.10290	-.10250	-.01880	-.01030	-.03370	-.03700	.41510	.40100
3.000	3.022	-.10320	-.10360	-.10320	-.10290	-.01910	-.01060	-.03400	-.03740	.41460	.40050
3.000	5.016	-.10490	-.10530	-.10490	-.10460	-.02050	-.01200	-.03540	-.03840	.41380	.39990
3.000	7.007	-.10560	-.10560	-.10530	-.10460	-.02110	-.01270	-.03570	-.03910	.41370	.39950
3.000	9.023	-.10560	-.10560	-.10530	-.10460	-.02110	-.01260	-.03600	-.03900	.41380	.39990
	GRADIENT	-.00035	-.00035	-.00015	-.00020	-.00015	-.00015	-.00015	-.00020	-.00025	-.00025

AMES 118-1-87 OA145C 01 (E2H0C0) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELV-OB = -5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RUDDER = .000 RN/L = 2.500

RUN NO. 165/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-8.942	-.10360	-.10590	-.10590	-.10560	-.04150	-.03300	-.05930	-.06140	.41430	.40010
3.000	-6.950	-.10460	-.10670	-.10670	-.10630	-.04150	-.03300	-.05970	-.06170	.41360	.39910
3.000	-4.927	-.10460	-.10700	-.10700	-.10660	-.04110	-.03260	-.05930	-.06140	.41400	.39980
3.000	-2.960	-.10530	-.10730	-.10770	-.10730	-.04150	-.03300	-.05970	-.06170	.41390	.39970
3.000	-.931	-.10560	-.10770	-.10770	-.10730	-.04180	-.03330	-.06000	-.06210	.41360	.39940
	GRADIENT	-.00025	-.00018	-.00017	-.00017	-.00018	-.00018	-.00018	-.00018	-.00010	-.00010

AMES 118-1-87 OA145C 01 (E2H0C1) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELV-IB = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RUDDER = .000 RN/L = 2.500

RUN NO. 166/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-3.934	-.10430	-.10630	-.10630	-.10600	-.03930	-.03050	-.05720	-.05950	.41490	.40070
3.000	-1.918	-.10430	-.10600	-.10570	-.10530	-.03520	-.02640	-.05270	-.05470	.41470	.40050
3.000	.028	-.10430	-.10570	-.10530	-.10500	-.03180	-.02300	-.04870	-.05110	.41450	.40030
3.000	2.003	-.10330	-.10430	-.10400	-.10360	-.02810	-.01930	-.04330	-.04630	.41480	.40070
3.000	4.019	-.10260	-.10330	-.10290	-.10260	-.02230	-.01380	-.03750	-.04090	.41520	.40060
	GRADIENT	.00022	.00039	.00043	.00043	.00207	.00204	.00246	.00230	.00004	-.00000

AMES 118-1-87 OA145C 01 (E2H0C2) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELV-IB = 5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RUDDER = .000 RN/L = 2.500

RUN NO. 167/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	1.028	-.10430	-.10530	-.10530	-.10460	-.03010	-.02130	-.04560	-.04870	.41520	.40100
3.000	3.001	-.10390	-.10460	-.10430	-.10390	-.02530	-.01650	-.04020	-.04320	.41510	.40120
3.000	5.002	-.10360	-.10360	-.10360	-.10290	-.01990	-.01140	-.03480	-.03820	.41450	.40060
3.000	6.999	-.10290	-.10290	-.10260	-.10190	-.01250	-.00370	-.02630	-.02970	.41480	.40100
3.000	9.041	-.10190	-.10160	-.10120	-.10050	-.00440	.00450	-.01890	-.02190	.41510	.40090
	GRADIENT	.00020	.00035	.00051	.00035	.00243	.00243	.00274	.00279	-.00005	.00010

AMES 118-1-87 OA145C 01 (E2H0C3) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELV-IB =	-5.000	AILRON =	.000
BDFLAP =	.000	SPDBRK =	55.000
RUDDER =	.000	RN/L =	2.500

RUN NO. 168/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-8.965	-.10290	-.10630	-.10630	-.10600	-.04640	-.03750	-.06490	-.06690	.41450	.40100
3.000	-6.945	-.10320	-.10590	-.10590	-.10560	-.04360	-.03480	-.06180	-.06350	.41500	.40120
3.000	-4.964	-.10250	-.10520	-.10490	-.10450	-.03990	-.03140	-.05800	-.06010	.41520	.40130
3.000	-2.983	-.10290	-.10490	-.10460	-.10420	-.03650	-.02800	-.05430	-.05670	.41480	.40100
3.000	-.941	-.10290	-.10460	-.10430	-.10390	-.03310	-.02430	-.05000	-.05270	.41440	.40060
	GRADIENT	-.00010	.00015	.00015	.00015	.00169	.00176	.00199	.00184	-.00020	-.00017

AMES 118-1-87 OA145C 01 (E2H0C4) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 169/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-3.984	-.10180	-.10320	-.10290	-.10250	-.03070	-.02190	-.04720	-.04990	.41570	.40150
3.000	-1.969	-.10290	-.10390	-.10390	-.10320	-.03070	-.02220	-.04790	-.05030	.41480	.40100
3.000	.011	-.10320	-.10460	-.10420	-.10390	-.03110	-.02230	-.04760	-.05000	.41490	.40110
3.000	1.972	-.10360	-.10460	-.10460	-.10390	-.03070	-.02190	-.04760	-.04990	.41550	.40130
3.000	3.980	-.10420	-.10530	-.10490	-.10420	-.03140	-.02260	-.04790	-.05030	.41480	.40130
	GRADIENT	-.00028	-.00025	-.00024	-.00021	-.00007	-.00006	-.00006	-.00002	-.00006	-.00001

AMES 118-1-87 OA145C 01 (E2H0C5) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = 5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 170/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-4.012	-.10330	-.10360	-.10330	-.10260	-.01990	-.01110	-.03440	-.03780	.41410	.39960
3.000	-2.016	-.10320	-.10360	-.10320	-.10290	-.01950	-.01110	-.03440	-.03780	.41440	.39990
3.000	-.008	-.10460	-.10460	-.10430	-.10400	-.01990	-.01110	-.03440	-.03780	.41400	.40050
3.000	1.989	-.10500	-.10530	-.10500	-.10460	-.02020	-.01140	-.03480	-.03810	.41410	.39990
3.000	3.972	-.10460	-.10460	-.10460	-.10390	-.02020	-.01170	-.03510	-.03850	.41410	.40030
	GRADIENT	-.00022	-.00019	-.00022	-.00022	-.00007	-.00008	-.00009	-.00009	-.00002	.00007

AMES 118-1-87 OA145C 01 (E2H0C6) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = -5.000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 171/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-3.995	-.10390	-.10630	-.10630	-.10600	-.04120	-.03200	-.05910	-.06110	.41460	.40050
3.000	-2.012	-.10360	-.10600	-.10570	-.10570	-.04120	-.03240	-.05910	-.06110	.41470	.40010
3.000	-.002	-.10330	-.10560	-.10530	-.10530	-.04120	-.03240	-.05870	-.06080	.41440	.40020
3.000	2.002	-.10390	-.10630	-.10600	-.10560	-.04080	-.03200	-.05870	-.06040	.41410	.40050
3.000	4.014	-.10430	-.10630	-.10630	-.10600	-.04120	-.03200	-.05870	-.06040	.41450	.40030
	GRADIENT	-.00006	-.00002	-.00002	.00000	.00002	.00002	.00006	.00010	-.00004	.00000

AMES 118-1-87 OA145C 01 (E2H0C7) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 172/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-3.973	-.10420	-.10630	-.10590	-.10560	-.03910	-.03000	-.05670	-.05870	.41550	.40130
3.000	-1.963	-.10400	-.10600	-.10530	-.10500	-.03580	-.02660	-.05270	-.05500	.41470	.40090
3.000	.000	-.10360	-.10500	-.10460	-.10390	-.03210	-.02330	-.04790	-.05100	.41540	.40090
3.000	2.005	-.10320	-.10430	-.10390	-.10320	-.02800	-.01910	-.04320	-.04620	.41500	.40080
3.000	3.980	-.10290	-.10360	-.10330	-.10290	-.02360	-.01440	-.03780	-.04080	.41490	.40100
	GRADIENT	.00017	.00036	.00033	.00036	.00195	.00195	.00238	.00224	-.00005	-.00004

AMES 118-1-87 OA145C 01 (E2H0C8) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 173/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-3.989	-.10460	-.10560	-.10530	-.10460	-.03030	-.02150	-.04550	-.04860	.41520	.40070
3.000	-2.004	-.10390	-.10460	-.10430	-.10360	-.02560	-.01680	-.04050	-.04350	.41520	.40060
3.000	.004	-.10320	-.10360	-.10320	-.10260	-.01950	-.01070	-.03410	-.03780	.41470	.40050
3.000	1.997	-.10260	-.10260	-.10220	-.10150	-.01270	-.00390	-.02660	-.03000	.41510	.40130
3.000	4.001	-.10220	-.10190	-.10150	-.10090	-.00430	.00460	-.01880	-.02220	.41420	.40100
	GRADIENT	.00031	.00047	.00049	.00048	.00325	.00326	.00337	.00332	-.00011	.00007

AMES 118-1-87 OA145C 01 (E2H0C9) (08 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
ELEVON =	-5.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 174/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-4.013	-.10320	-.10660	-.10660	-.10630	-.04660	-.03740	-.06510	-.06680	.41540	.40090
3.000	-2.000	-.10360	-.10630	-.10600	-.10600	-.04430	-.03510	-.06210	-.06380	.41470	.40050
3.000	.000	-.10320	-.10530	-.10530	-.10490	-.04050	-.03170	-.05840	-.06010	.41490	.40100
3.000	1.984	-.10290	-.10490	-.10460	-.10420	-.03750	-.02870	-.05500	-.05700	.41500	.40080
3.000	4.007	-.10260	-.10390	-.10390	-.10320	-.03340	-.02460	-.05030	-.05230	.41500	.40110
	GRADIENT	.00009	.00034	.00034	.00040	.00166	.00160	.00183	.00179	-.00003	.00003

AMES 118-1-87 OA145C 01 (E2H0D0) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	-11.700
SPDBRK =	55.000	RUDDER =	-5.000
RN/L =	2.500		

RUN NO. 161/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
3.000	-6.285	-.01370	.59330	.25530
3.000	-4.215	-.01770	.53170	.29760
3.000	-2.084	-.02010	.47140	.34670
3.000	-1.050	-.02110	.44240	.37340
3.000	.035	-.02280	.41310	.40130
3.000	1.114	-.02480	.38370	.43170
3.000	2.153	-.02660	.35890	.45990
3.000	3.237	-.02720	.33180	.49000
	GRADIENT	-.00136	-.02685	.02600

AMES 118-1-87 OA145C 01 (E2H0D1) (06 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 2.500

RUN NO. 150/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	.318	-.08390	-.08990	-.08990	-.08950	-.05410	-.04910	-.07700	-.07770	.35510	.32580
3.000	3.072	-.08770	-.09270	-.09270	-.09270	-.05380	-.04840	-.07660	-.07730	.37200	.34200
3.000	4.051	-.08910	-.09370	-.09370	-.09370	-.05340	-.04800	-.07630	-.07730	.37680	.34960
3.000	6.016	-.09620	-.10040	-.10040	-.10040	-.05410	-.04870	-.07770	-.07910	.38650	.36070
3.000	8.026	-.09900	-.10220	-.10220	-.10180	-.05200	-.04700	-.07600	-.07770	.39450	.37170
3.000	10.107	-.09940	-.10180	-.10180	-.10180	-.04610	-.04070	-.06870	-.07040	.40350	.38290
3.000	12.125	-.10080	-.10250	-.10250	-.10220	-.03870	-.03370	-.06130	-.06340	.41090	.39130
3.000	14.156	-.10320	-.10460	-.10460	-.10420	-.03090	-.02560	-.05250	-.05530	.41460	.39780
3.000	15.174	-.10320	-.10430	-.10430	-.10390	-.02650	-.02120	-.04740	-.05020	.41630	.40130
3.000	16.180	-.10320	-.10420	-.10420	-.10350	-.02150	-.01620	-.04210	-.04490	.41740	.40410
3.000	18.194	-.10360	-.10430	-.10430	-.10360	-.01310	-.00820	-.03200	-.03510	.41610	.40920
3.000	20.259	-.10150	-.10220	-.10190	-.10120	-.00200	.00280	-.02040	-.02350	.41290	.41400
3.000	22.249	-.09850	-.09920	-.09890	-.09820	.00900	.01390	-.00970	-.01240	.41060	.41680
3.000	26.341	-.09280	-.09100	-.09070	-.09000	.03510	.04040	.01930	.01540	.40720	.41550
3.000	29.787	-.08200	-.08030	-.07990	-.07890	.06070	.06590	.04620	.04240	.41240	.40930
	GRADIENT	-.00139	-.00102	-.00102	-.00113	.00017	.00029	.00018	.00012	.00588	.00627

AMES 118-1-87 OA145C 01 (E2H0D2) (06 JUL 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 INCHES	YMRP =	.0000 IN.	YO	
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 149/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
3.000	-6.328	-.08710	-.09130	-.09130	-.09100	-.01460	-.00970	-.03490	-.03760	.59740	.25670
3.000	-4.223	-.09340	-.09660	-.09660	-.09620	-.01920	-.01430	-.04010	-.04250	.53360	.29920
3.000	-2.122	-.09870	-.10120	-.10080	-.10050	-.02180	-.01680	-.04300	-.04580	.47410	.34800
3.000	-1.043	-.10070	-.10250	-.10250	-.10210	-.02330	-.01840	-.04490	-.04730	.44470	.37520
3.000	.012	-.10250	-.10360	-.10360	-.10290	-.02550	-.02060	-.04680	-.04950	.41630	.40240
3.000	1.098	-.10390	-.10490	-.10460	-.10420	-.02750	-.02260	-.04910	-.05150	.38710	.43320
3.000	2.152	-.10490	-.10560	-.10530	-.10490	-.02890	-.02400	-.05080	-.05330	.36130	.46280
3.000	3.198	-.10320	-.10350	-.10350	-.10320	-.02960	-.02470	-.05150	-.05400	.33610	.49130
3.000	4.243	-.10310	-.10280	-.10280	-.10240	-.03130	-.02640	-.05320	-.05570	.31190	.52100
3.000	6.384	-.10240	-.10140	-.10140	-.10100	-.03350	-.02850	-.05540	-.05810	.27150	.58540
	GRADIENT	-.00114	-.00073	-.00074	-.00074	-.00147	-.00148	-.00160	-.00159	-.02620	.02644

AMES 118-1-87 OA145C 01 (E2H0D3) (25 MAR 80)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 INCHES	YMRP =	.0000 IN. YO		
BREF =	936.6800 INCHES	ZMRP =	375.0000 IN. ZO		
SCALE =	.0500				

PARAMETRIC DATA

ALPHA =	15.000	BETA =	.000
AILRON =	.000	BDFLAP =	.000
SPDBRK =	55.000	RUDDER =	.000
RN/L =	2.500		

RUN NO. 175/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
3.496	-29.949	-.01920	.41720	.38360
3.496	-19.931	-.01580	.41650	.38290
3.496	-14.942	-.01210	.41490	.38220
3.496	-12.952	-.00950	.41570	.38270
3.496	-9.928	-.00560	.41560	.38300
3.496	-7.950	-.00290	.41530	.38310
3.496	-4.936	.00180	.41570	.38320
3.496	-3.947	.00260	.41600	.38350
3.496	-1.944	.00580	.41520	.38300
3.496	.030	.01010	.41620	.38370
3.496	2.041	.01360	.41510	.38300
3.496	4.015	.01830	.41510	.38340
3.496	5.026	.02140	.41510	.38300
3.496	8.033	.03000	.41570	.38360
3.496	10.019	.03680	.41550	.38340
3.496	20.031	.09250	.41610	.38320
	GRADIENT	.00186	-.00008	.00000